Marek "Mark" J. Wagner

Duch Renesansu

Manuskrypty i Wynalazki

The Spirit of Renaissance Inventions

Leonardo da Vinci

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Duch Renesansu

Leonardo da Vinci

1452-1519

Szkice i Projekty

The Spirit of Renaissance

Drawings and Scientific Projects

Vol 3

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ISBN: 978-83-937658-5-0

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Dedykacja

Książkę dedykuje moim dzieciom
Jakubowi, Wiktorii Elizabeth, Jonaszowi.
Zawsze jesteście w moim sercu i w myślach… .

Serdeczne podziękowanie dla Anny Onopiak
za pomoc w okresie prześladowań.

Prawa autorskie moich książek i prac należą
do mnie o moich dzieci.

Book is dedicated to my children
Jacob, Victoria Elizabeth, Jonah,
You are always in my heart.

I would like to expres my gratitude to Anna Onopiak
during difficult times.

All rights to my books and works belong to me as well as
my children, Jacob, Victoria Elizabeth, Jonah Wagner.

Marek „Mark" J. Wagner

Słowo Wstępne (Preface)

W labiryncie notatek, które pozostawił po sobie Leonardo da Vinci, można odkryć świat niezwykłego człowieka, człowieka, który definiuje nie tylko samego siebie, ale czasy, w których przyszło mu żyć i pracować. Leonardo definiuje jednocześnie nieograniczone możliwości ludzkiego umysłu.

Notatki Leonarda da Vinci, to niezwykła lektura, z samej natury trudna i zobowiązująca. Ten niezwykły człowiek, zastosował nowy i wyjątkowy, nawet na dzisiejsze czasy, rodzaj pisma. Leonardo pisał lewa ręką, od prawej strony. Pismo to można odczytać dopiero, gdy przyłożymy zwierciadło. Ktoś być może zada pytanie: po co Leonardo tak pisał ? Odpowiedz jest prosta, Leonardo był śledzony, szpiegowany, zazdrośnie podpatrywany. Od samego początku próbowano wykradać jego sekrety i pomysły. Ażeby jeszcze bardziej utrudnić szpiegom zadanie, którzy go nękali, łączył lub dzielił wyrazy.

Notatki Leonarda cechuje nie tylko wyjątkowo analityczno-obserwacyjny charakter, bardzo uporządkowany, logiczny, ale w jego notatnikach daje się zauważyć pospiech, jakby się obawiał, ze natchnienie pięknej wizji, obserwacji, może się gdzieś nagle ulotnić.

Notatki Leonarda, to jego warsztat pracy i mapa myśli, mapa po której możemy łatwo dotrzeć do jego umysłu, stanu emocjonalnego, pragnień, uczuć, miłości czy poczucia krzywdy. Notatki Leonarda to zapis życia wewnętrznego człowieka, człowieka, który został obdarzony wspaniałym darem, który zagospodarował, jak wspaniała winnice. Winnica ta to notatki, szkice, obrazy, wizje, myśli.

Dlaczego kochamy Leonarda ? Sadze ze za to, ze był sobą, ze zmagał się do końca z niewiadoma, odkrywając osnute tajemnica sekrety natury i stworzenia, sekrety człowieka. Sam Bóg dal mu przywilej poznania i odkrywania prawd.

Jego świat to sztuka i nauka, obserwacja, eksperymenty, ale nade wszytko uwielbienie świata, od najmniejszego detalu, aż po wspaniale wizje. Świat ten przemówi do Ciebie, drogi czytelniku, świat umysłu, wiary, świat wielu talentów, świat, którego nie zdołano w pełni zglebić do dnia dzisiejszego.

Żeby wejść w ten świat, najpierw trzeba ten świat rozszyfrować, począwszy od pisma, notatek, szkiców, rysunków, obrazów, bogactwa symboli, a nade wszytko, jest to bogactwo i płodność ludzkiego intelektu, natchnionego serca.

Jaki jest ten świat, no jaki, być może ktoś zapyta. Jaki ? Na jednej stronie znajdziesz, drogi czytelniku, pryncypia astronomiczne, zagadnienie ruchu ziemi, kilka milimetrów dalej, są zagadnienia dźwięku, zaraz obok, Leonardo zajmuje się teoria kolorów, ażeby kilka centymetrów dalej, z niespotykana dokładnością, naszkicować detale anatomiczne człowieka. Na tej samej stronie, Leonardo podejmuje temat relacji pomiędzy poezja a malarstwem. W labiryncie pięciu tysięcy stron, zapisany jest świat Leonarda da Vinci.

Leonardo rozpoczął regularne notatki w 37 rok jego życia. Notatnik towarzyszył mu wszędzie, przez cale życie.

Zatem, co się działo przedtem ? Czy możemy zaakceptować tezę, ze Leonardo nie pisał notatek do 37 roku życia?

Być może były te notatki zbyt odkrywcze, ażeby mogły zobaczyć światło dzienne … .

Wspaniały artysta, Vasari, z lekkim przekąsem powiedział o Leonardzie: "pracował o wiele więcej słowami, aniżeli czynami". Możemy się tylko uśmiechnąć, gdy czytamy te słowa. Wyobraźmy sobie, ze wszytko o czym pisze Leonardo, mogło być zrealizowane za jego życia... .

Do dnia dzisiejszego ludzie starają się odszyfrować świat Leonarda, wypełniony uwielbieniem dzieła stworzenia, wyjątkowym zmysłem estetyki, który tak wspaniale wypełnia potrzebę zaspokojenia tego pragnienia, pragnienia drzemiącego w każdym z nas, dlatego tak bardzo kochamy i uwielbiamy artystów, dlatego tak chętnie patrzymy na obrazy Leonarda, na jego szkice, notatniki.

Aleksander von Humboldt w ten sposób wyraził się o Leonardzie:

„Leonardo, talent równy majestatowi natury"

"Majestati naturae par ingenium"

Leonardo da Vinci: malarz, rzeźbiarz, architekt, muzyk, naukowiec, matematyk, inżynier, wynalazca, anatom, geolog, kartograf, botanik i pisarz.

Leonardo jest najbardziej różnorodnie utalentowanym człowiekiem, jaki kiedykolwiek żył.

Leonardo, Italian painter, sculptor, architect, musician, scientist, mathematician, engineer, inventor, anatomist, geologist, cartographer, botanist and writer. Leonardo the most diversely talented person ever to have lived.

KSIEGI / BOOKS

KSIEGA I
OGOLNE WPROWADZENIE DO KSIEGI O MALARSTWIE
BOOK I. PROLEGOMENA AND GENERAL INTRODUCTION TO THE BOOK ON PAINTING

KSIEGA II
PERSPEKTYWA LINEARNA
BOOK II. LINEAR PERSPECTIVE

KSIEGA III
SZESC KSIAG O SWIETLE I CIENIU
BOOK III. SIX BOOKS ON LIGHT AND SHADE

KSIEGA IV
PERSPEKTYWA
BOOK IV. PERSPECTIVE OF DISAPPEARANCE

KSIEGA V
TEORIA KOLOROW
BOOK V. THEORY OF COLOURS

KSIEGA VI
KOLORY W PERSPEKTYWIE I PERSPEKTYWY PRZESTRZENNE
BOOK VI.PERSPECTIVE OF COLOUR AND AERIAL PERSPECTIVE

KSIEGA VII
O PROPORCJI I MECHNIZMIE RUCHU CZŁOWIEKA
BOOK VII. ON THE PROPORTIONS AND ON THE MOVEMENTS OF THE HUMAN FIGURE

KSIEGA VIII
BOTANIKA DLA ARTYSTÓW ORAZ ELEMENTY PEJZAŻU.
BOOK VIII. BOTANY FOR PAINTERS, AND ELEMENTS OF LANDSCAPE PAINTING

KSIEGA IX
PRAKTYKA W MALARSTWIE
BOOK IX. I. WSKAZOWKI MORALNE DLA STUDENTA MALARSTWA

PRAKTYKA W SZTUCE MALARSKIEJ. MORALNE ZASADY DLA ARTYSTOW.
THE PRACTICE OF PAINTING. I. MORAL PRECEPTS FOR THE STUDENT OF PAINTING.

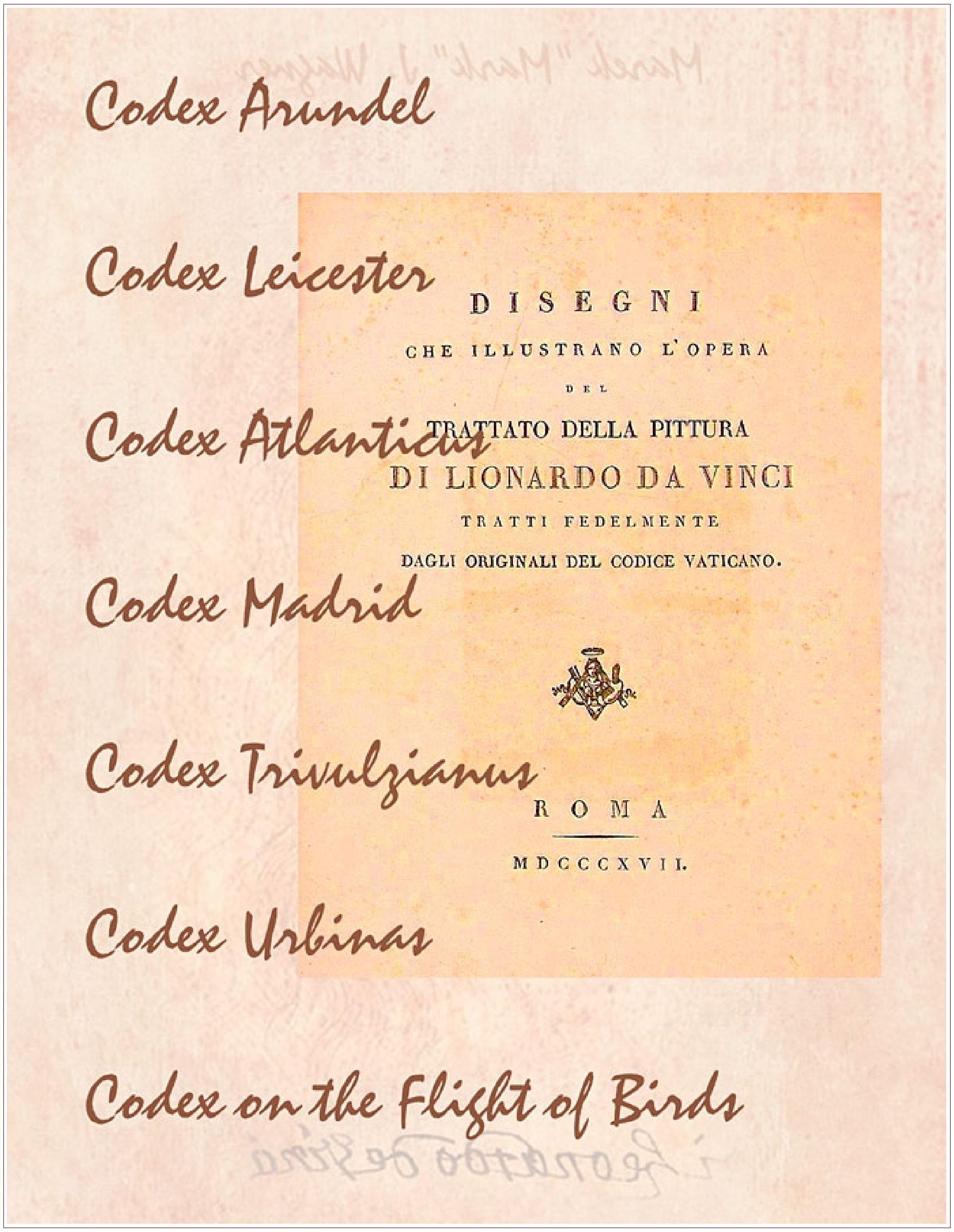
KSIEGA X.
STUDIA I SZKICE do OBRAZOW I DEKORACJI
BOOK X. STUDIES AND SKETCHES FOR PICTURES AND DECORATIONS

(LONDON, April 1883.)

Kodeksy Leonarda da Vinci.
CODEX of Leonardo da Vinci

Jest okolo jedenascie znanych Kodeksów Leonarda da Vinci. Jestem pewny ze istnieją zbiory Notatki Mistrza, które nie zostały jeszcze ujawnione. Być może, pewnego dnia, pozostałe prace Leonarda zostaną „odnalezione” w prywatnych lub oficjalnych kolekcjach.

*As of today is eleven Notebooks (Codex) of Leonardo da Vinci.
I believe, there is more to discover, in terms of Master's inventions and observations, than seven publicized Notebooks. Perhaps, some day, remanining works of Leonardo da Vinci, will emerge from private or state's collections ... .*

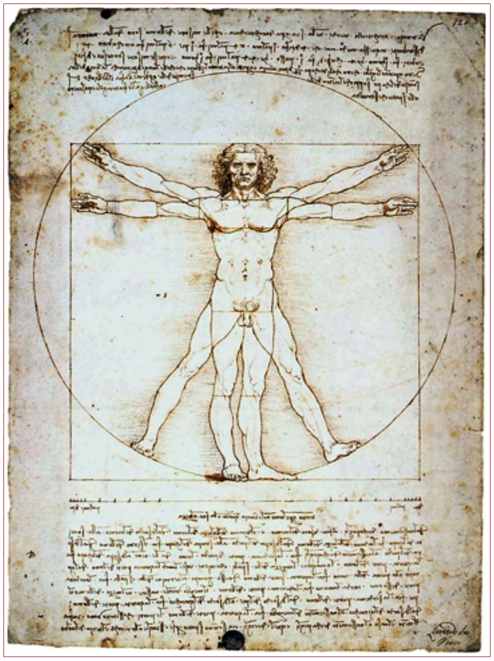


Codex Windsor   Codex Forster   Paris Manuscripts
Codex Ashburnham   Codex Urbinas

Szkice Projekty Wizje Twórcze

Leonardo da Vinci

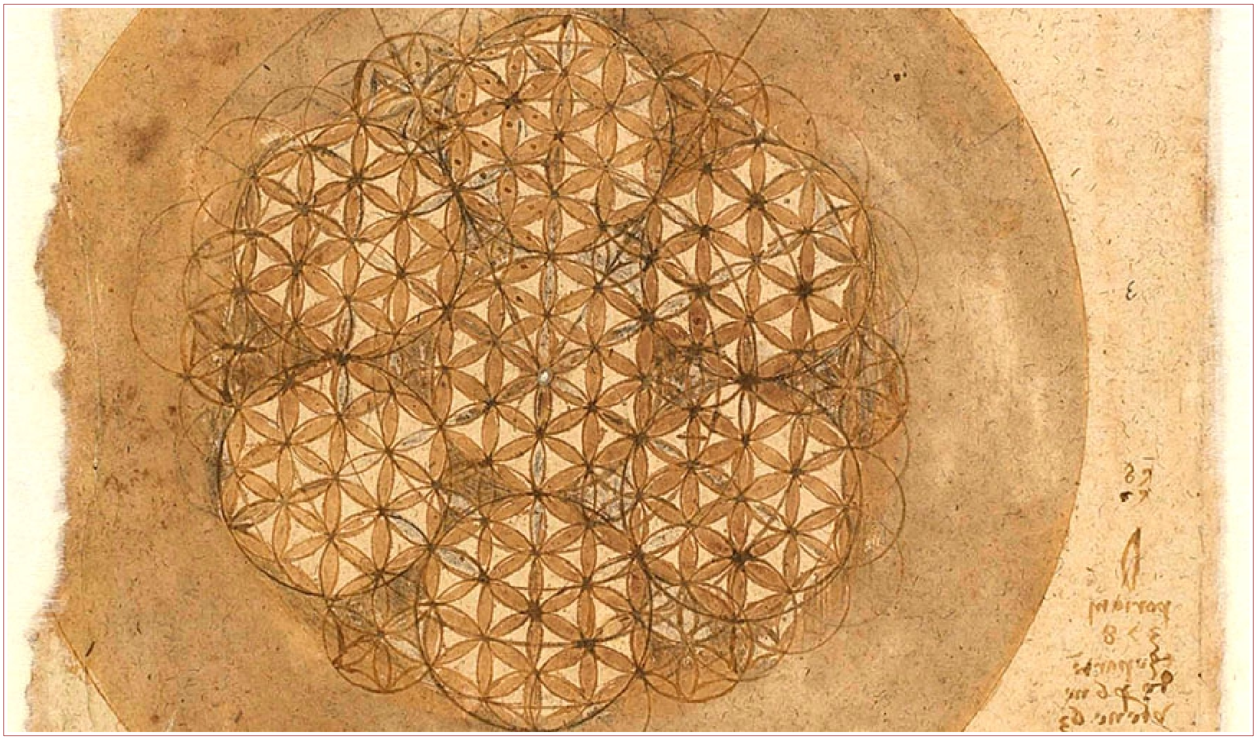
Drawings and Visions of Leonardo da Vinci



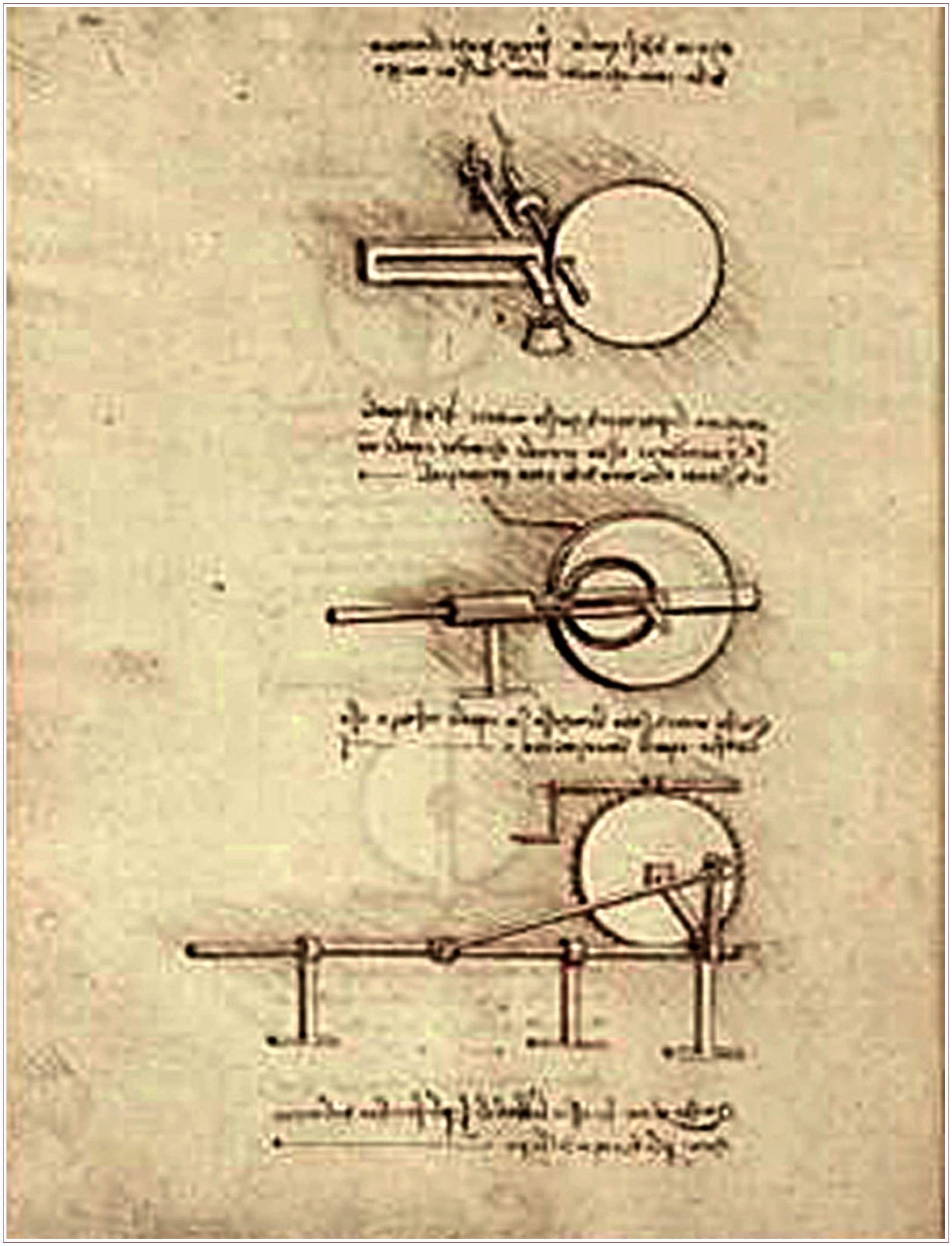
Vitruvian Man
Leonardo da Vinci
(1490)

Polyhedra Divine Proportions
Leonardo da Vinci

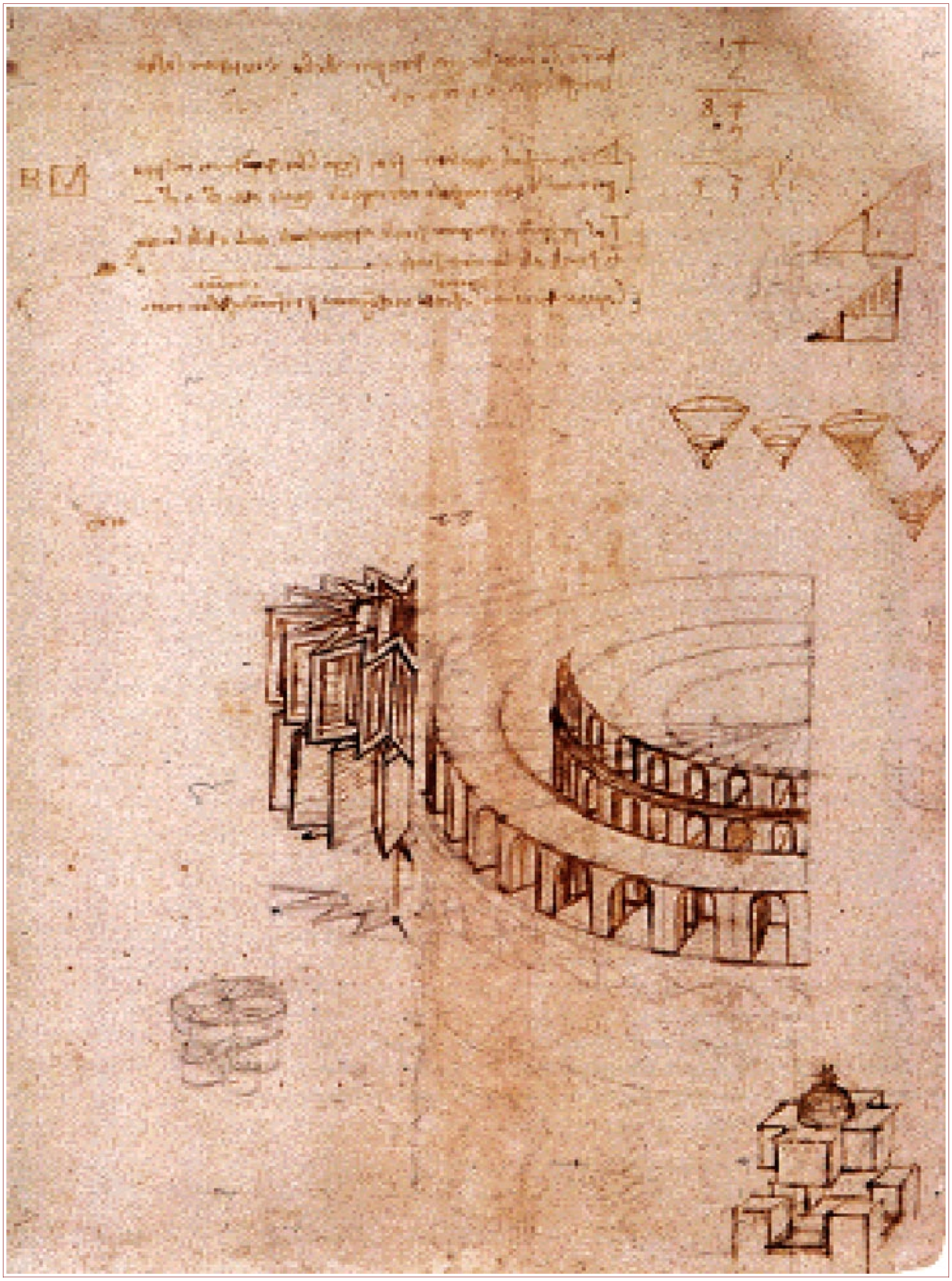
Leonardo da Vinci



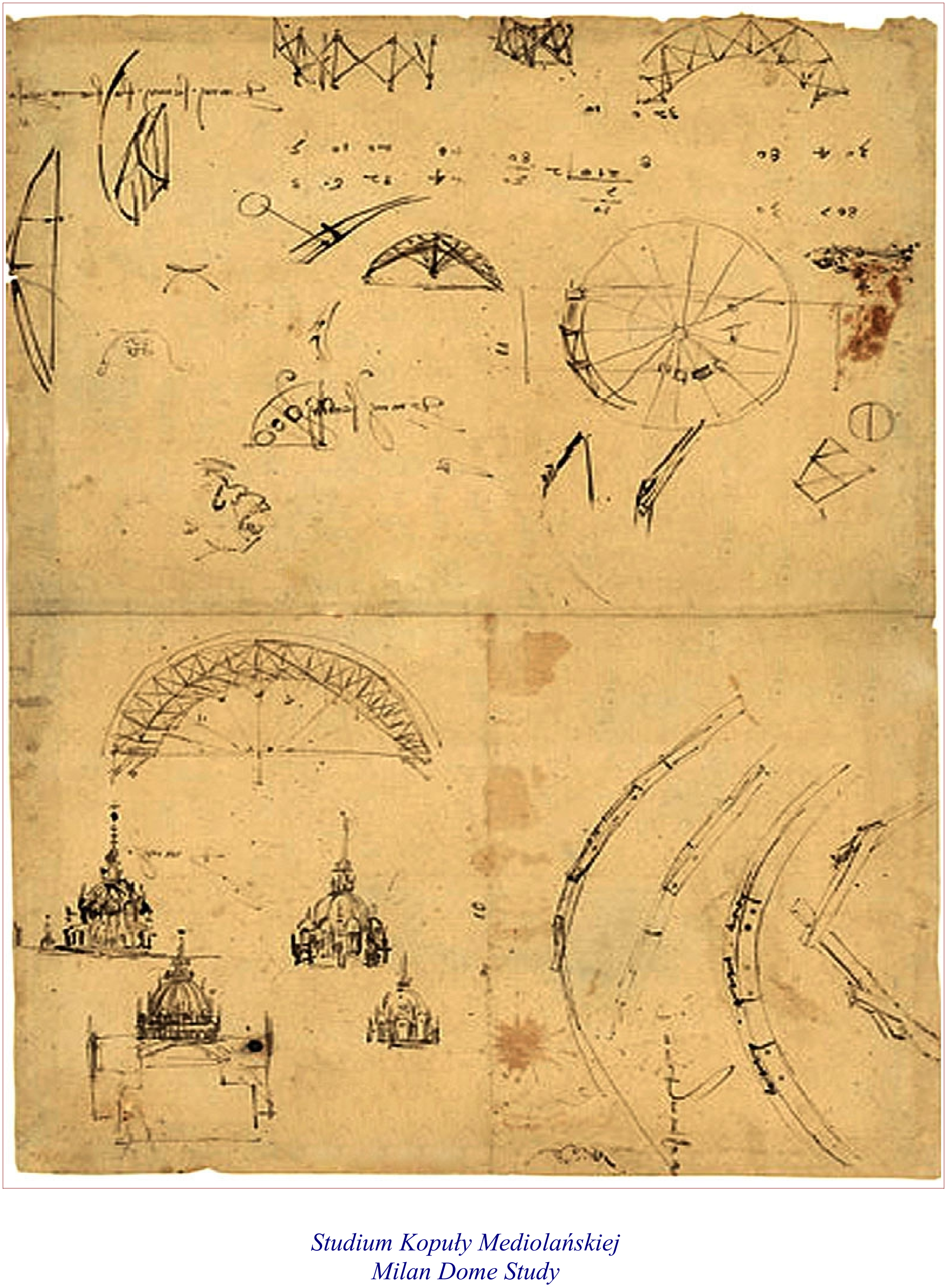
Codex Atlanticus
Leonardo da Vinci



National Library in Madrid
Leonardo da Vinci

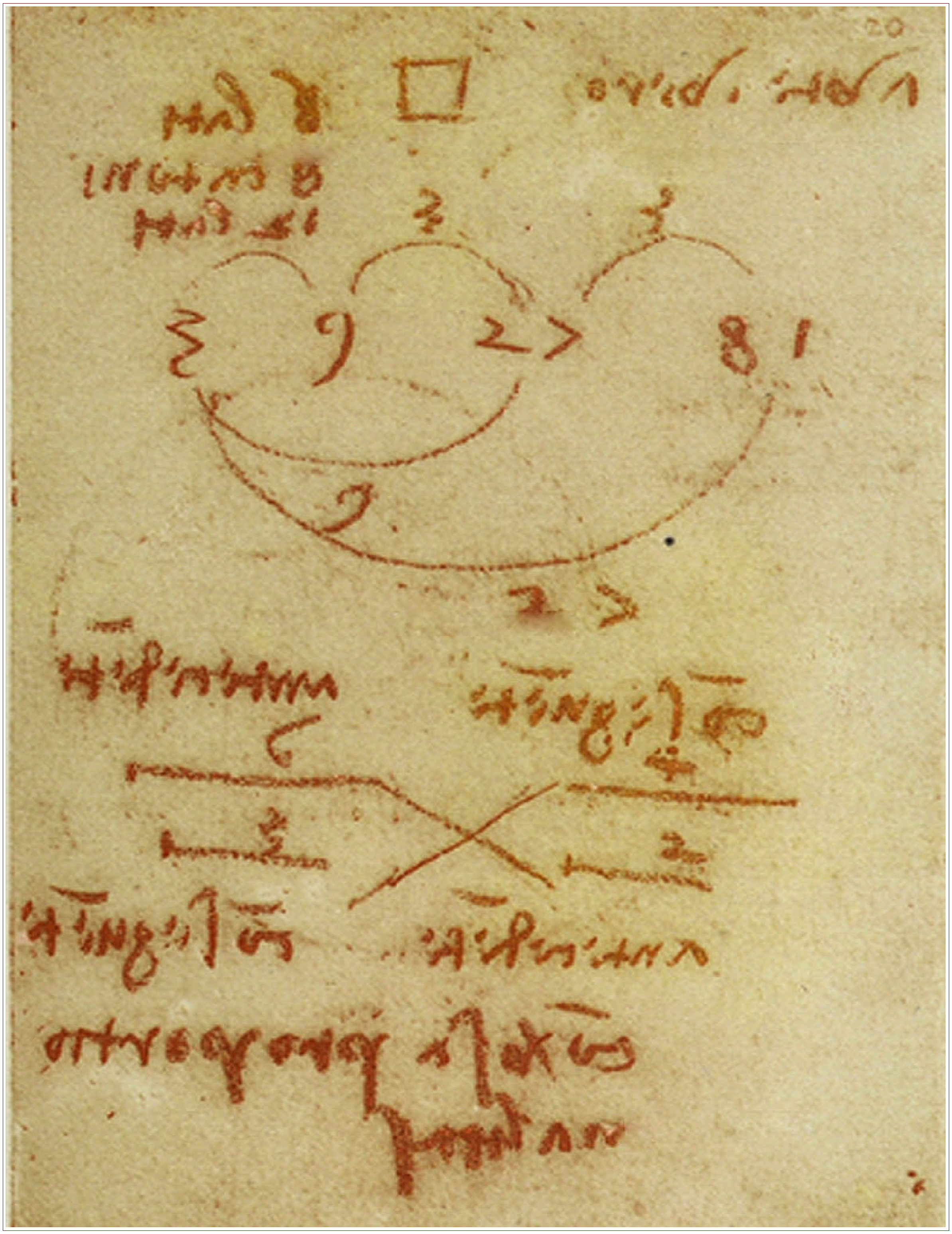


Leonardo da Vinci



Studium Kopuły Mediolańskiej
Milan Dome Study
Leonardo da Vinci

Studium Mechanicznych Skrzydeł
Mechanical Wings Study
Leonardo da Vinci



Leonardo da Vinci (?)

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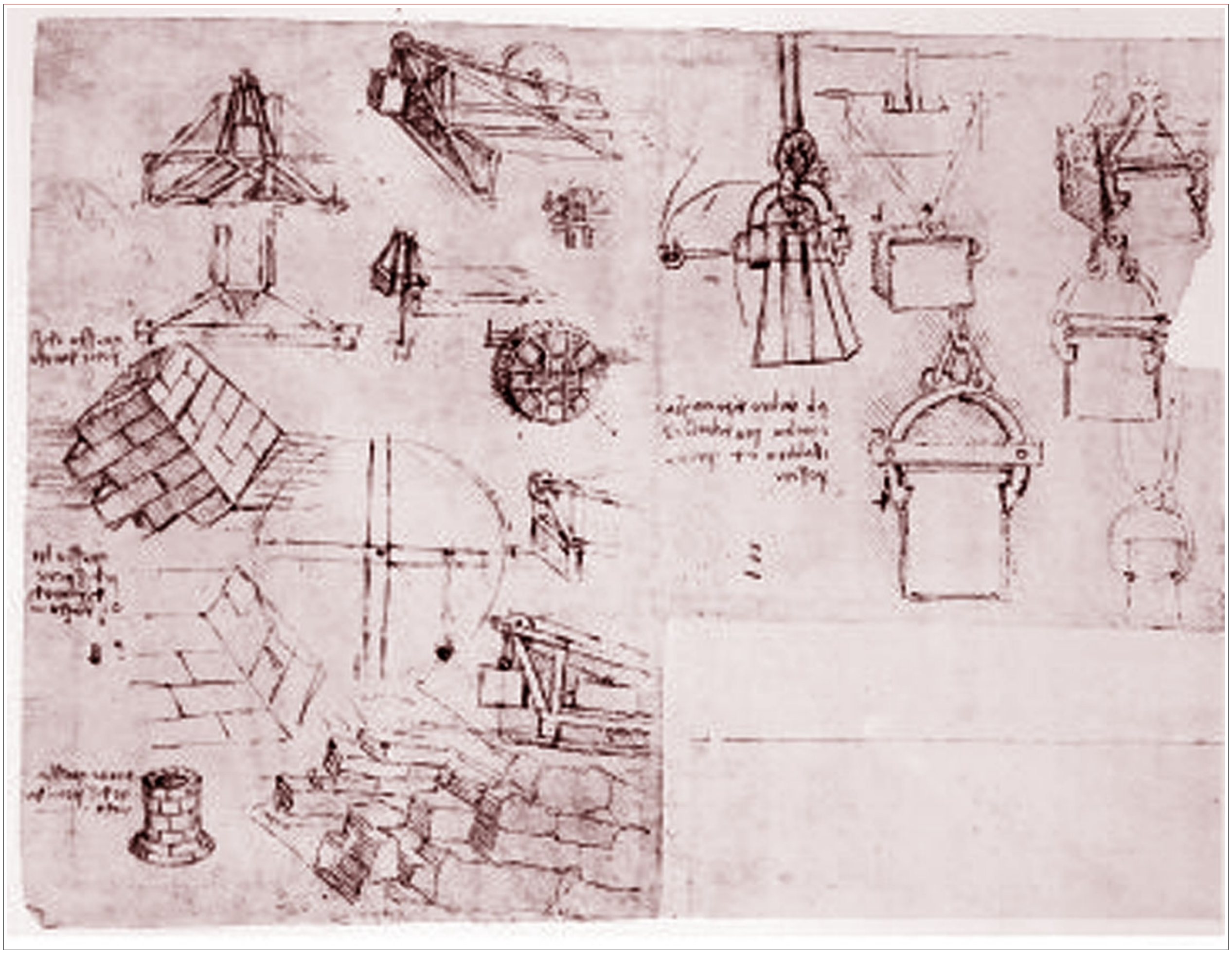
Leonardo da Vinci



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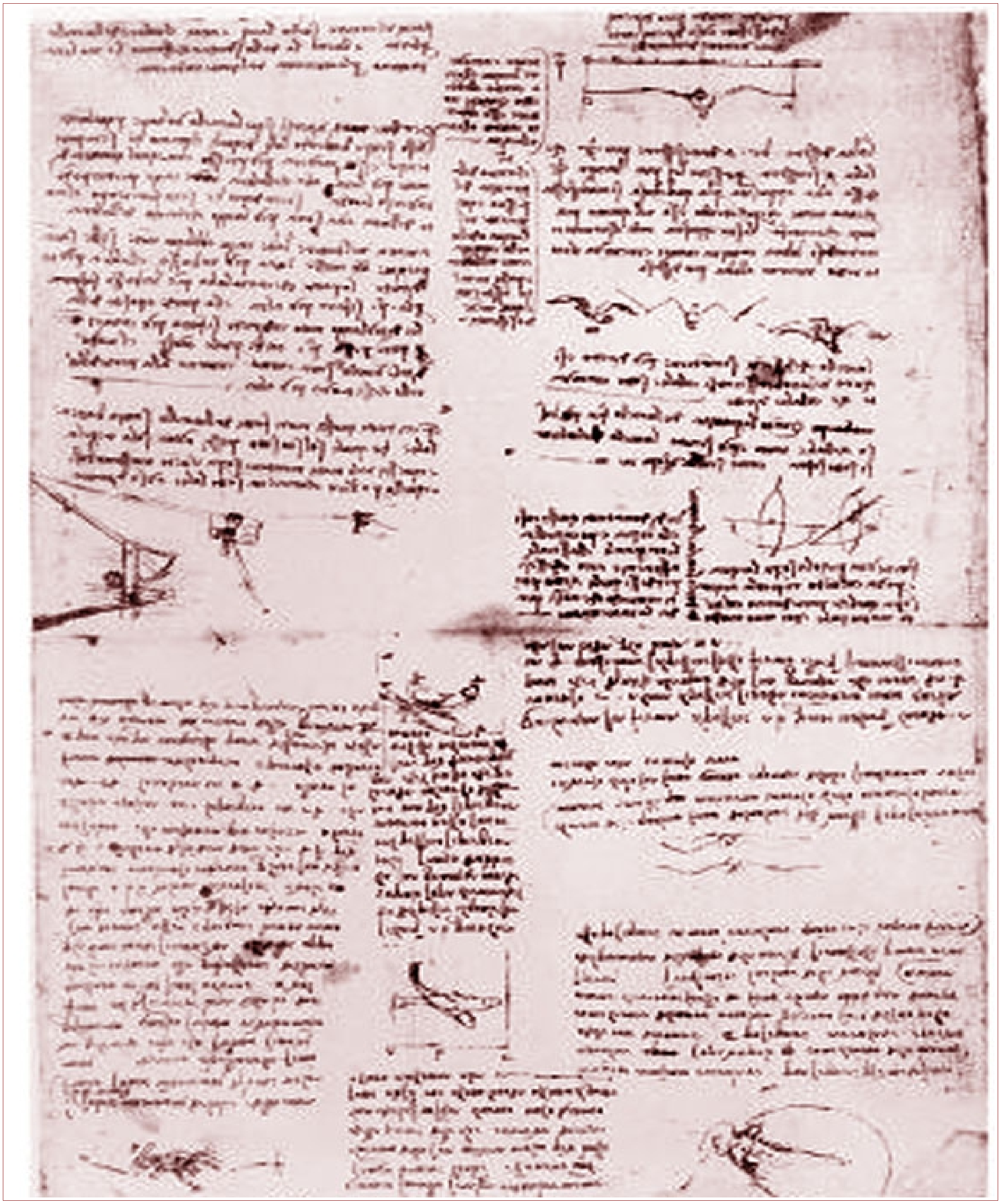
Leonardo da Vinci



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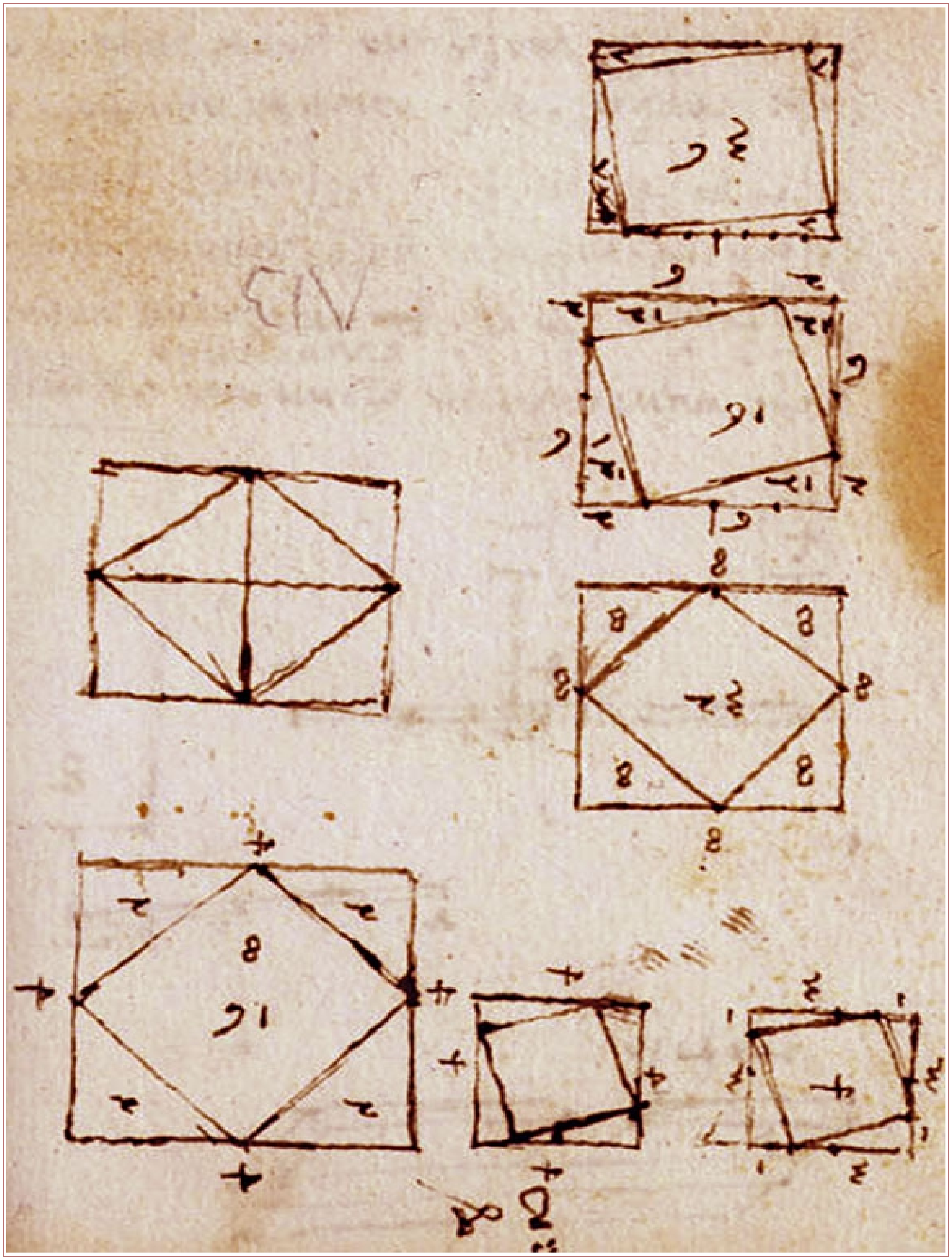
Leonardo da Vinci



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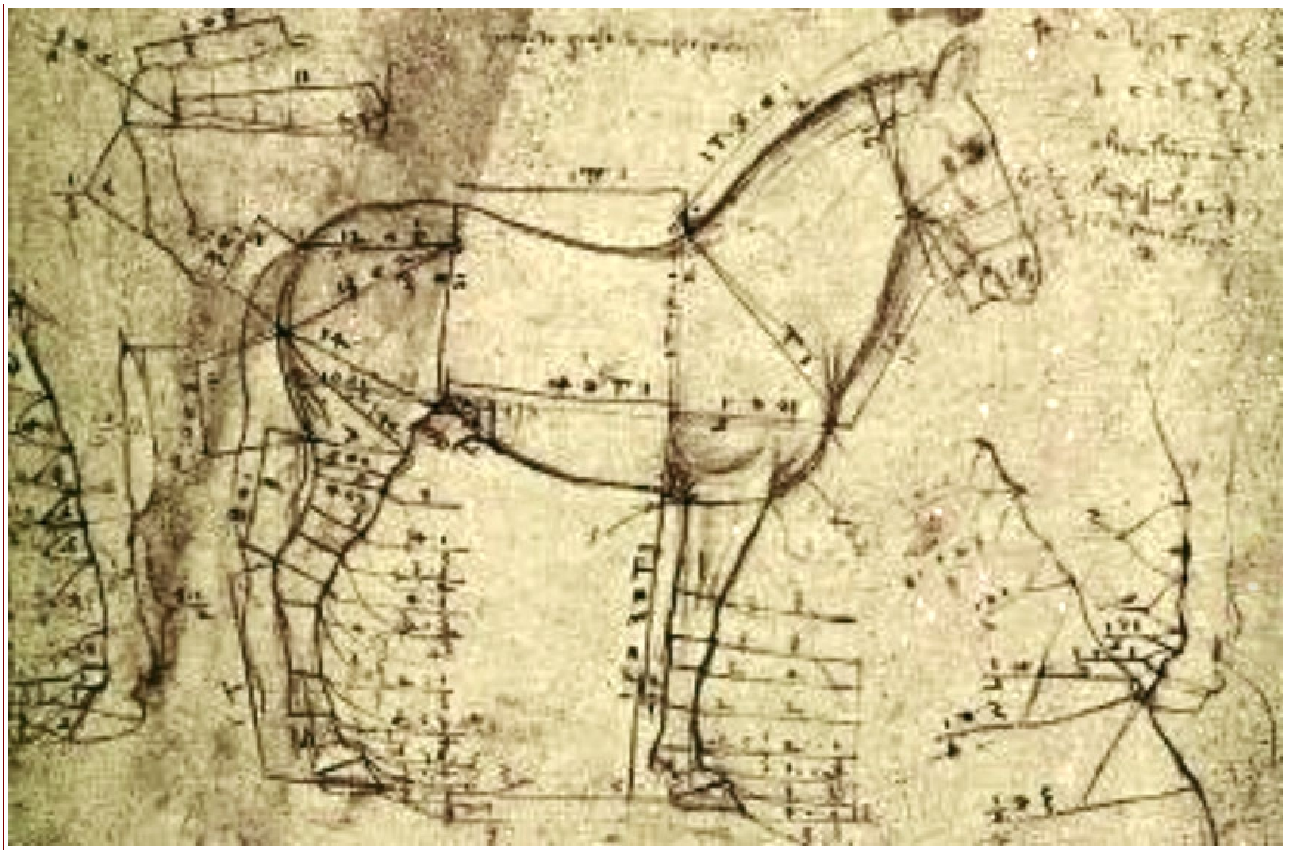
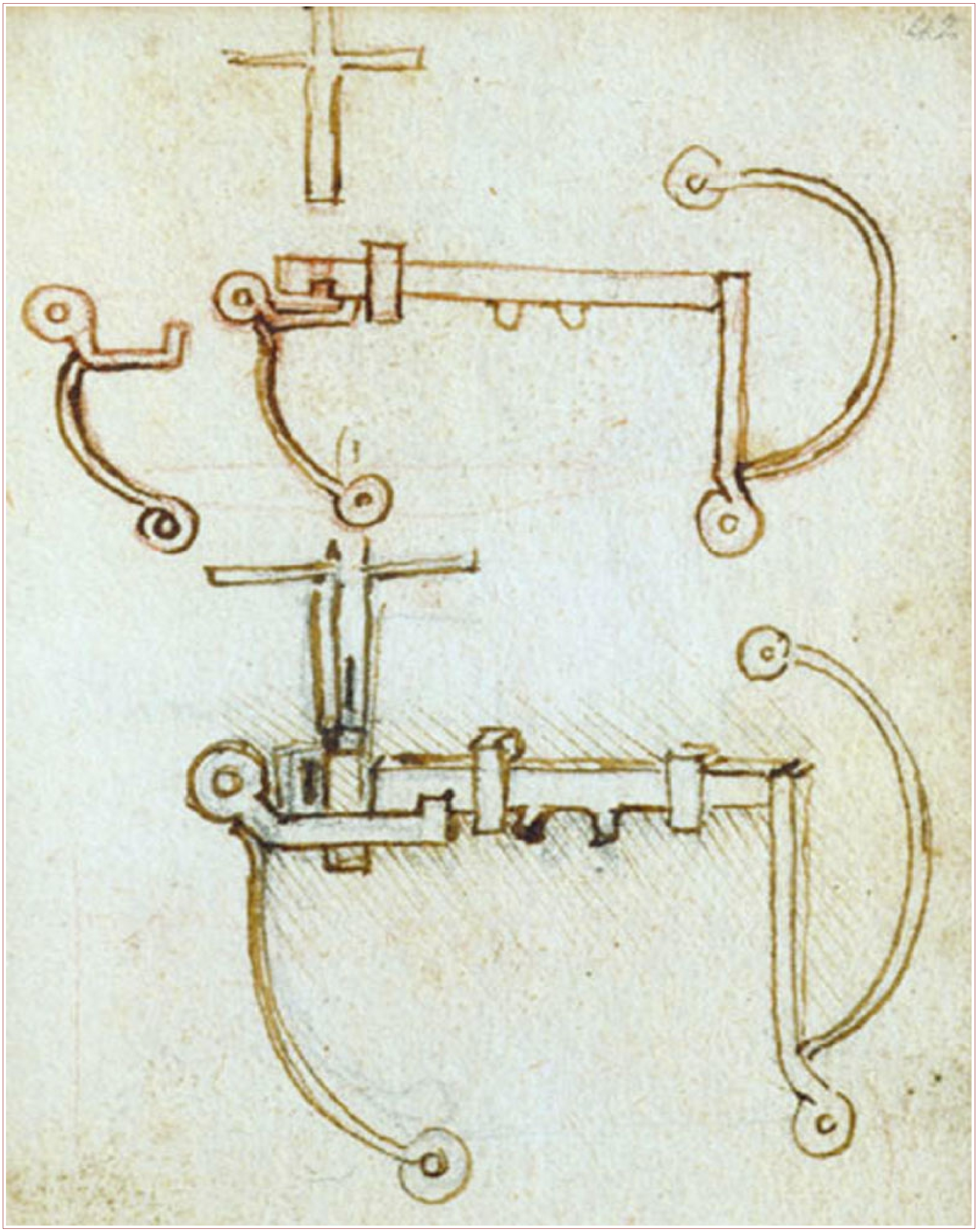
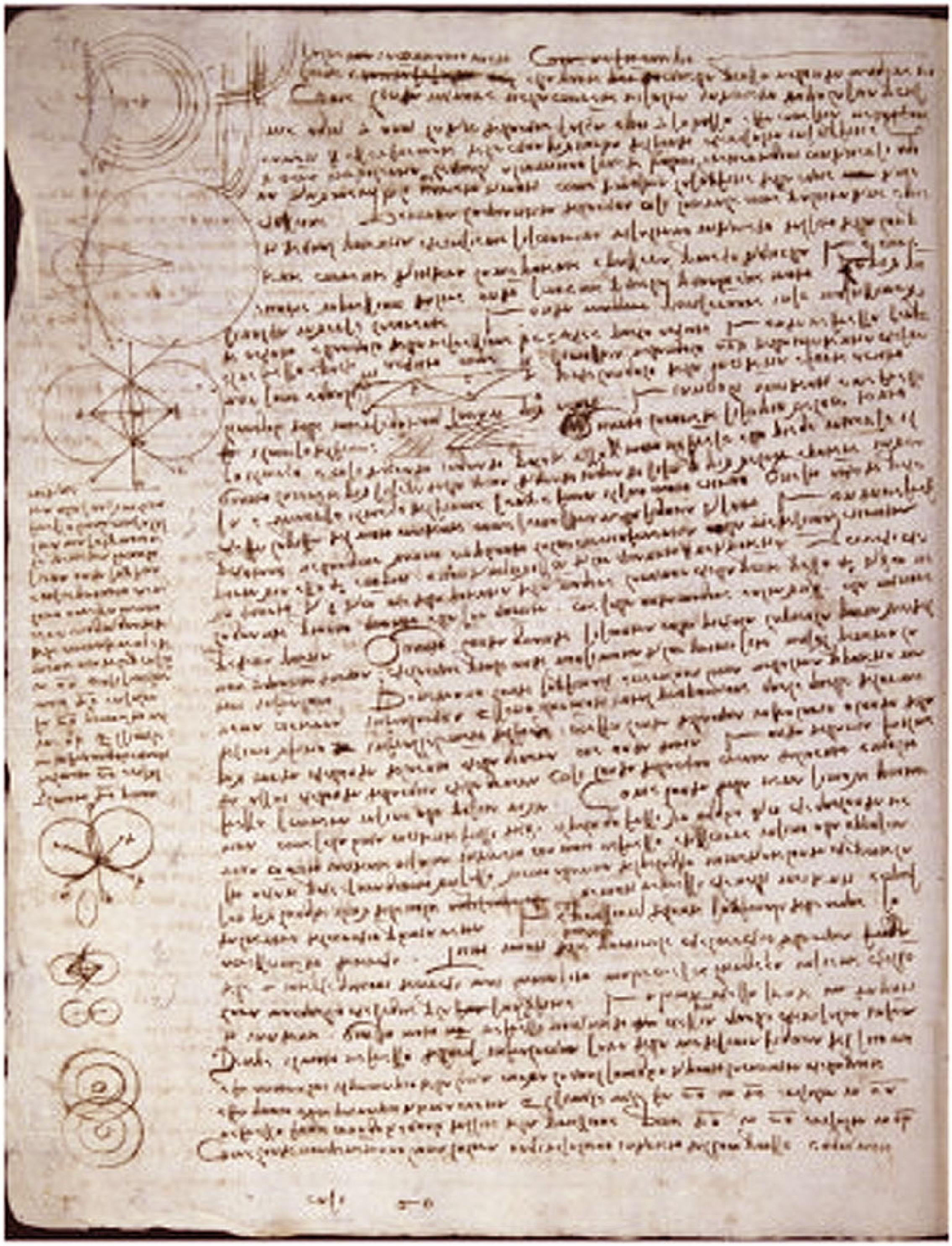


Leonardo da Vinci

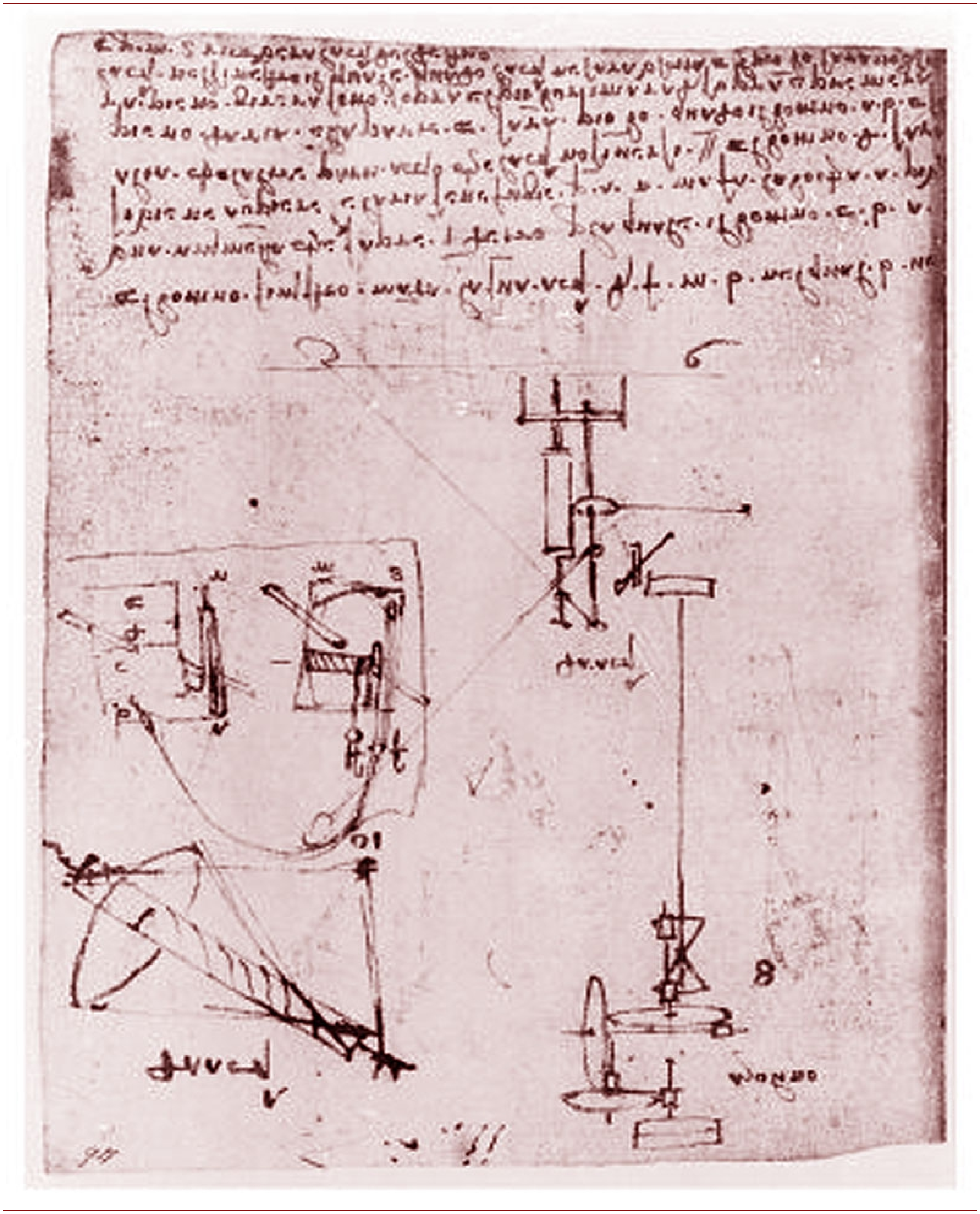


Codex Forster
Leonardo da Vinci

Leonardo da Vinci



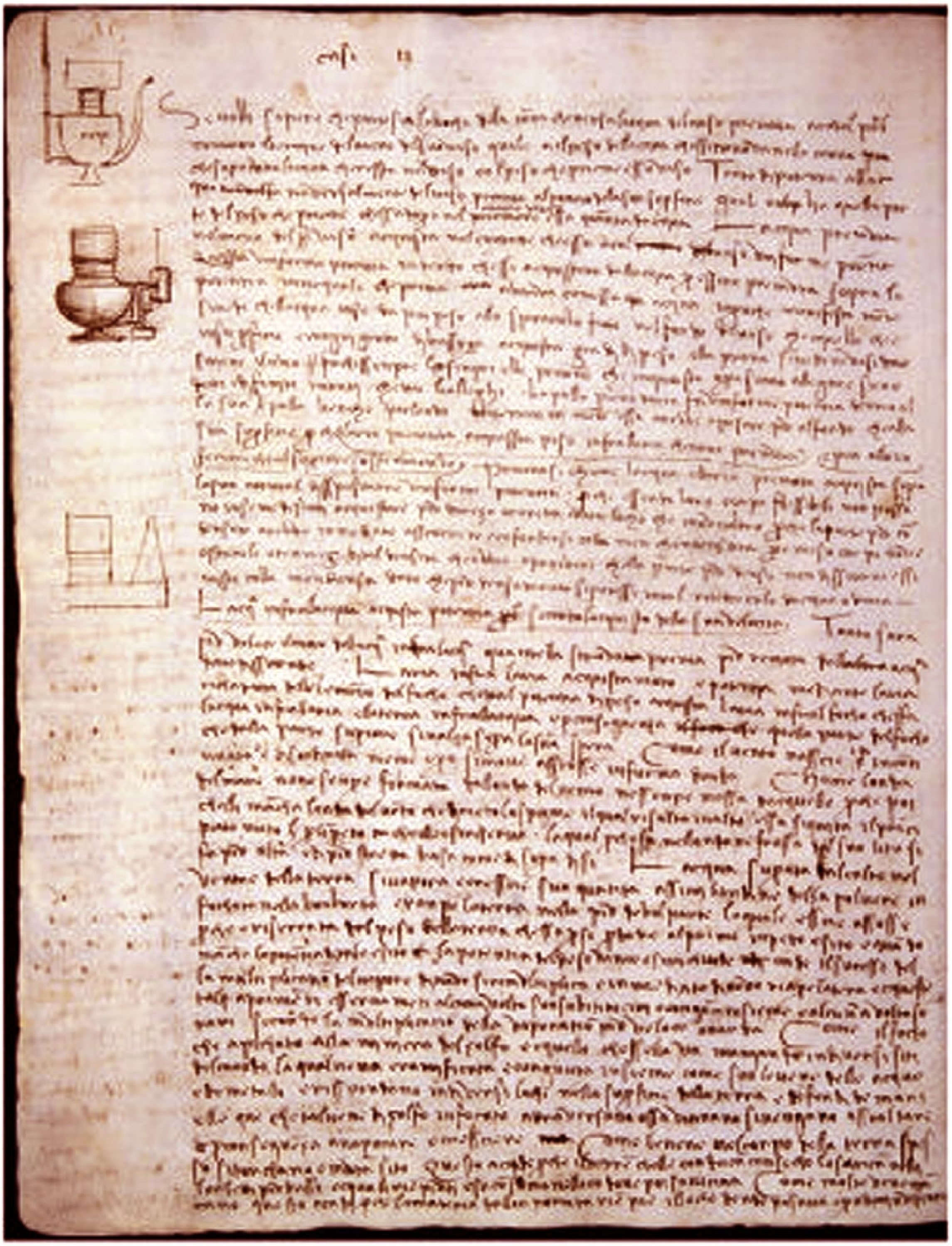
Studium o Falach Wody
Water Waves Study
Leonardo da Vinci



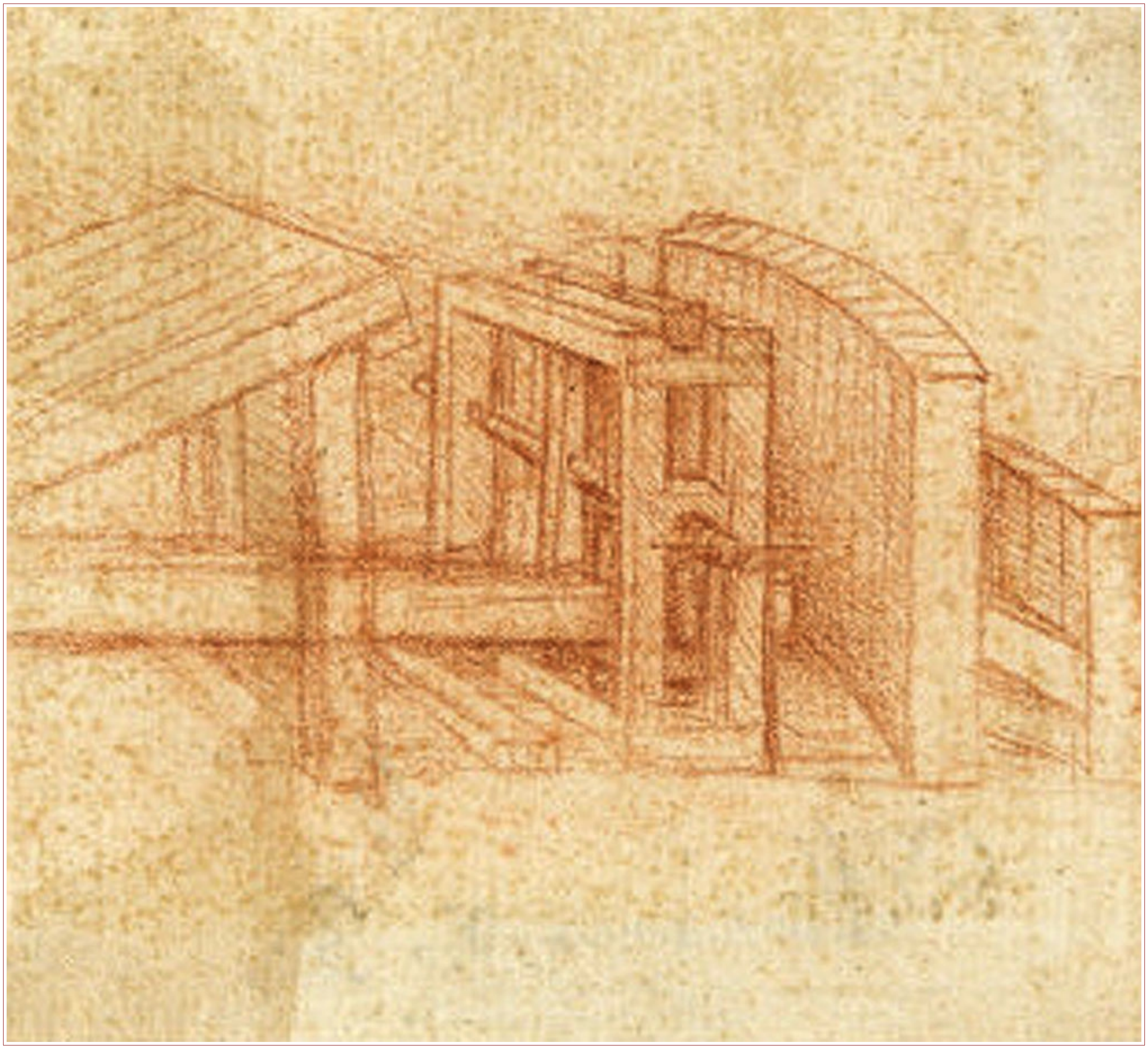
Codex Forster
Leonardo da Vinci

Codex Leicaster
Leonardo da Vinci

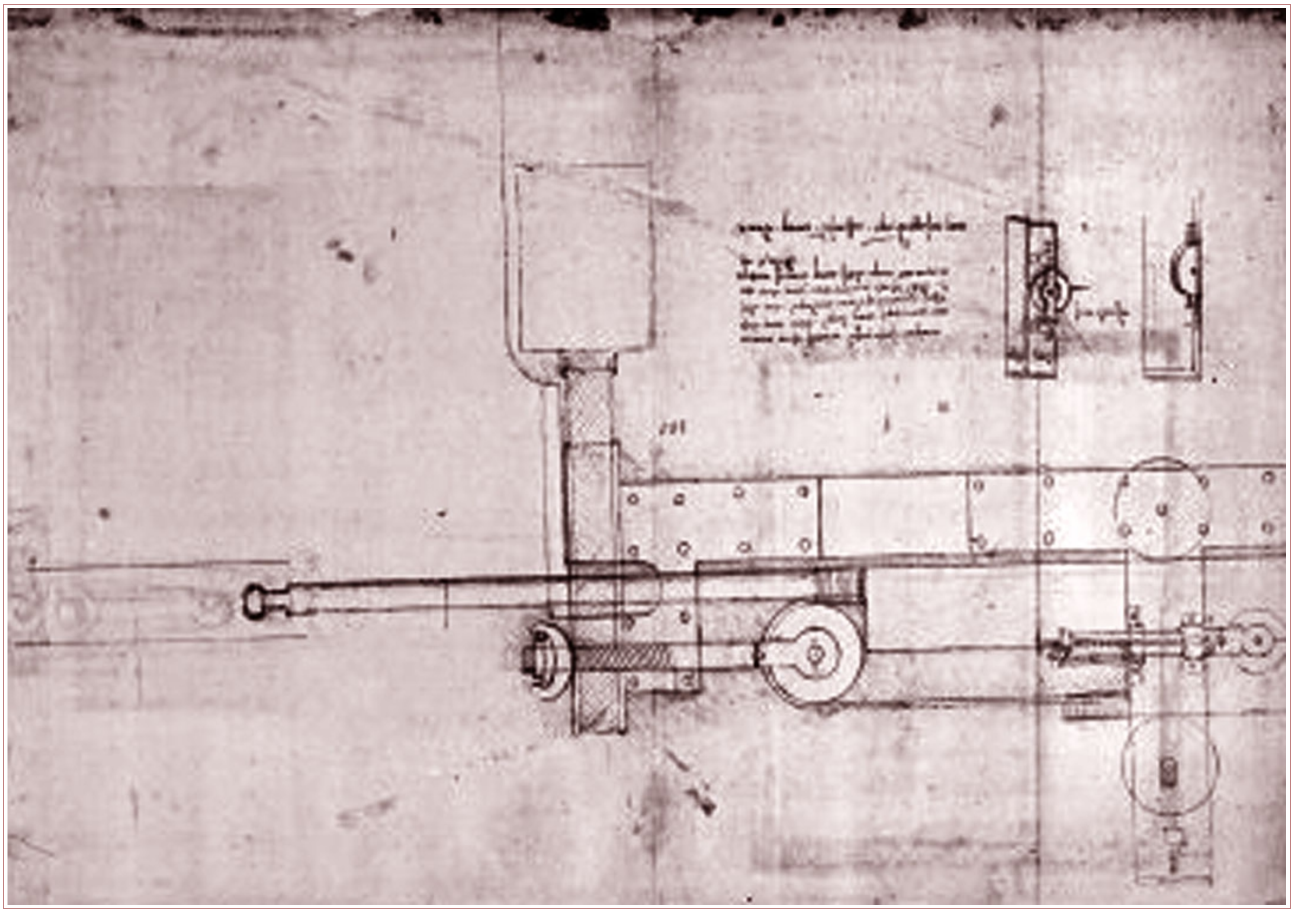
Studium Trzech Króli
Study to the Three Magi
Leonardo da Vinci



Studium o Ciśnieniu Wody
Water Pressure Study
Leonardo da Vinci



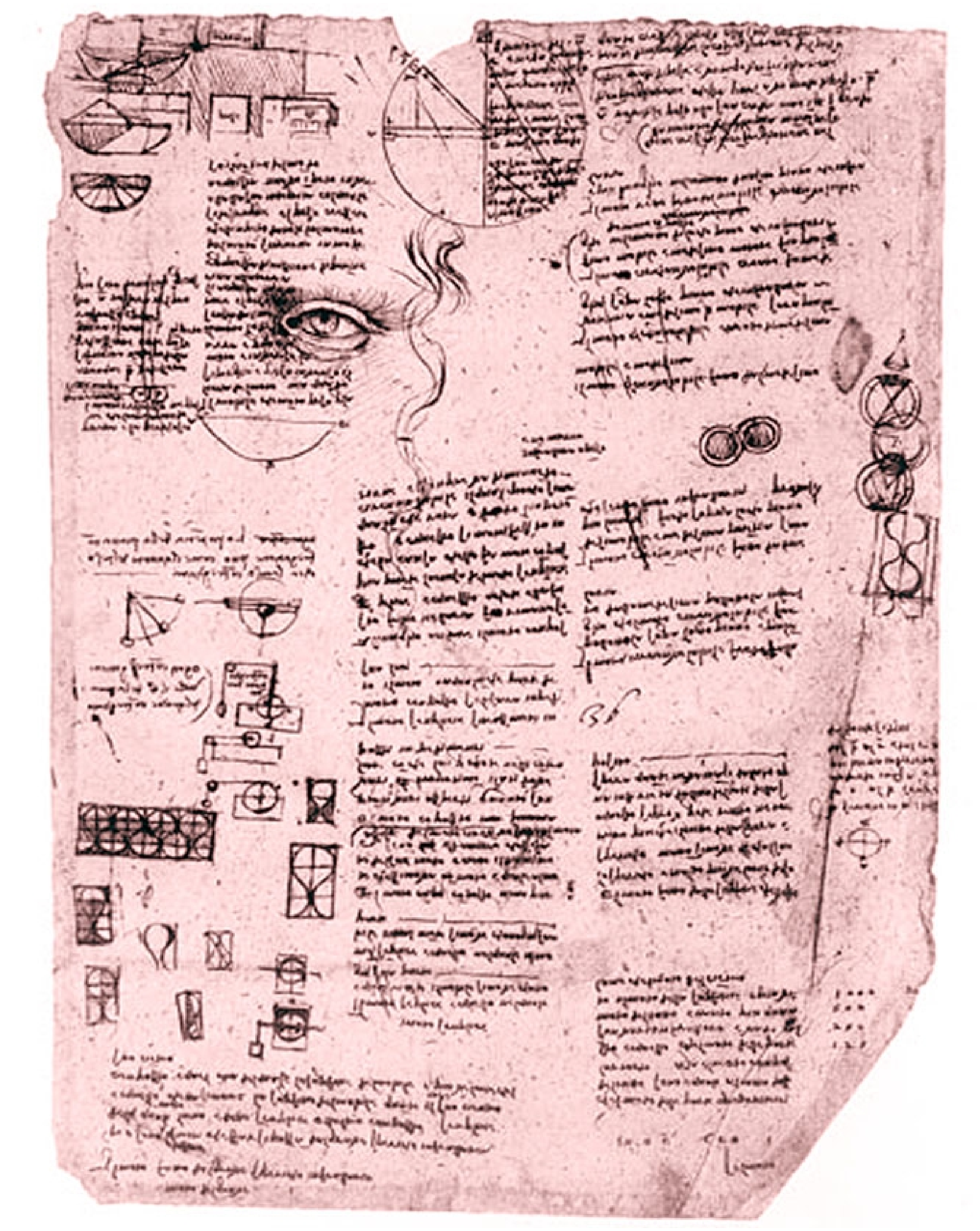
Leonardo da Vinci



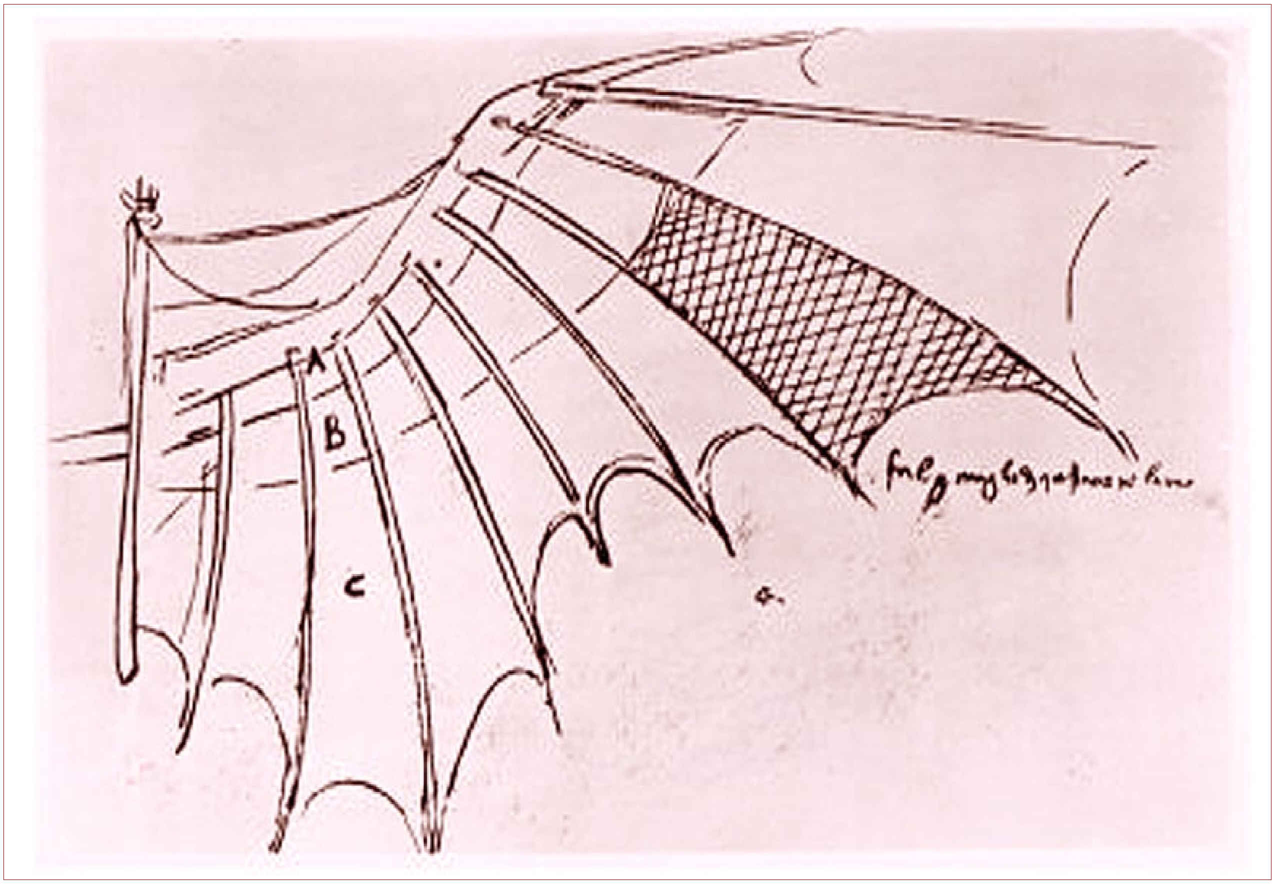
Studium Techniczne Zasuwy
Mechanical Bolt Study
Leonardo da Vinci

Leonardo da Vinci

Leonardo da Vinci



Leonardo da Vinci



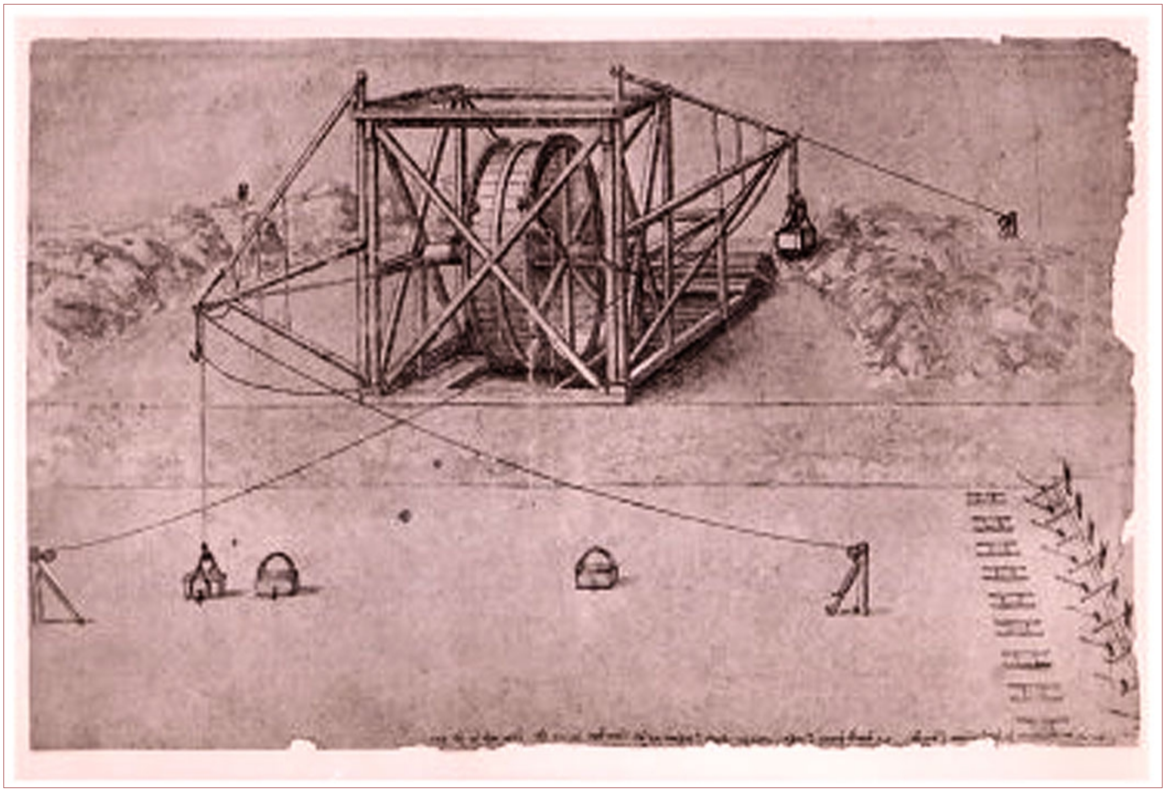
Studium Mechanicznego Skrzydła
Mechanical Wing Study
Leonardo da Vinci

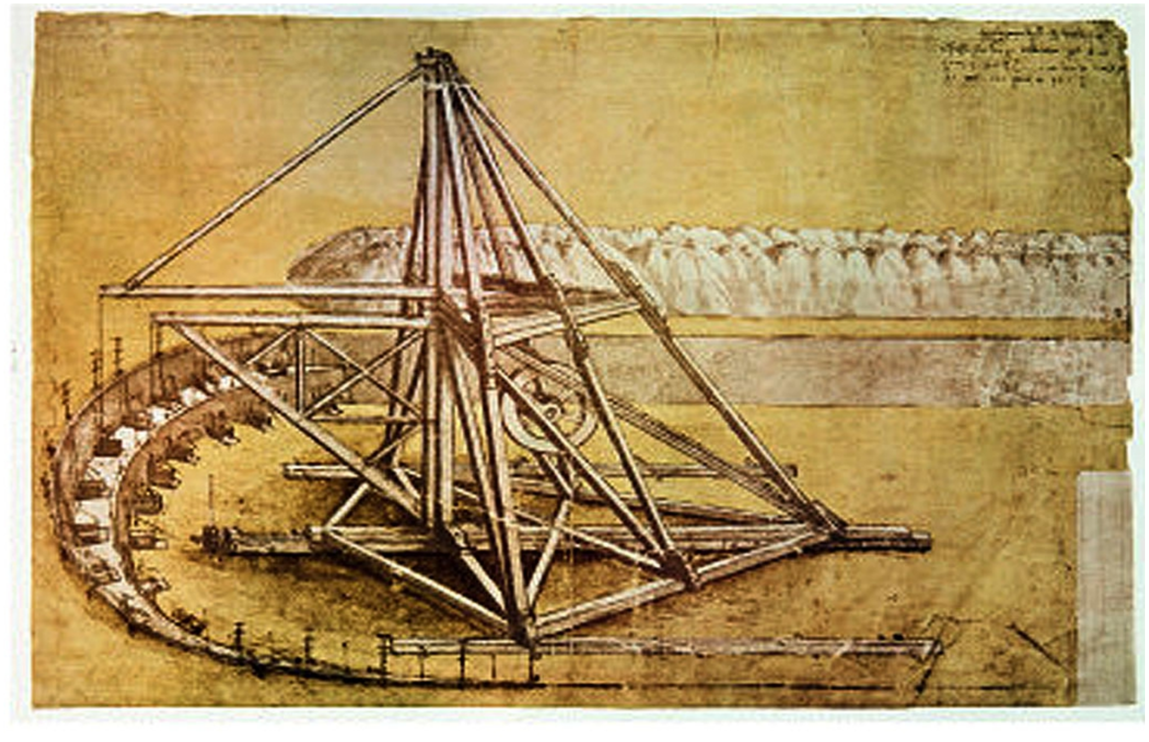
Studium Szat
Drapery Study

Studium Szat
Drapery Study for the Kneeling Person
Leonardo da Vinci

Studium Szat
Drapery Study
Leonardo da Vinci

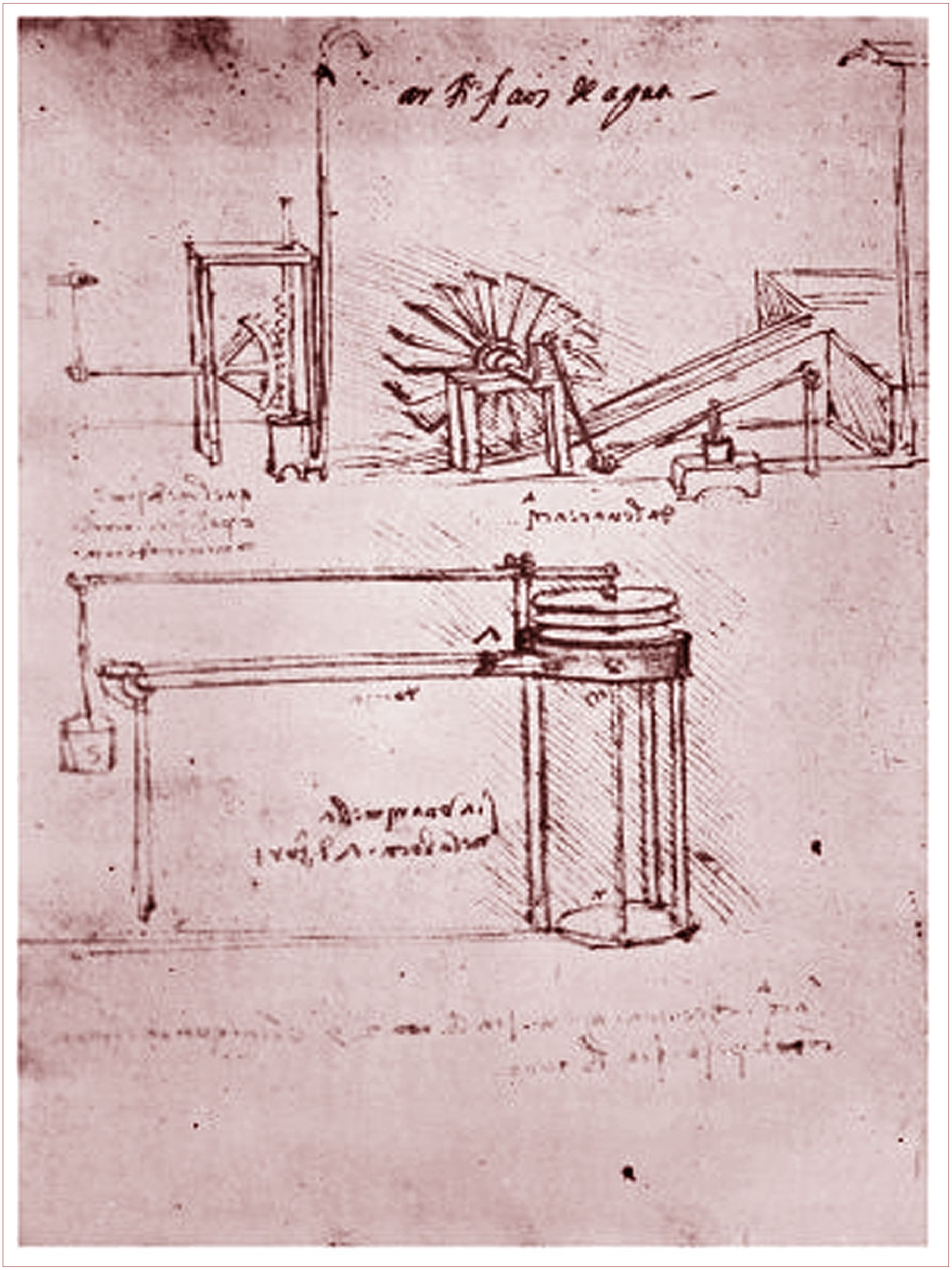
Studium Rękawa
Drapery Study of Sleeve
Windsor Royal Collection
Leonardo da Vinci



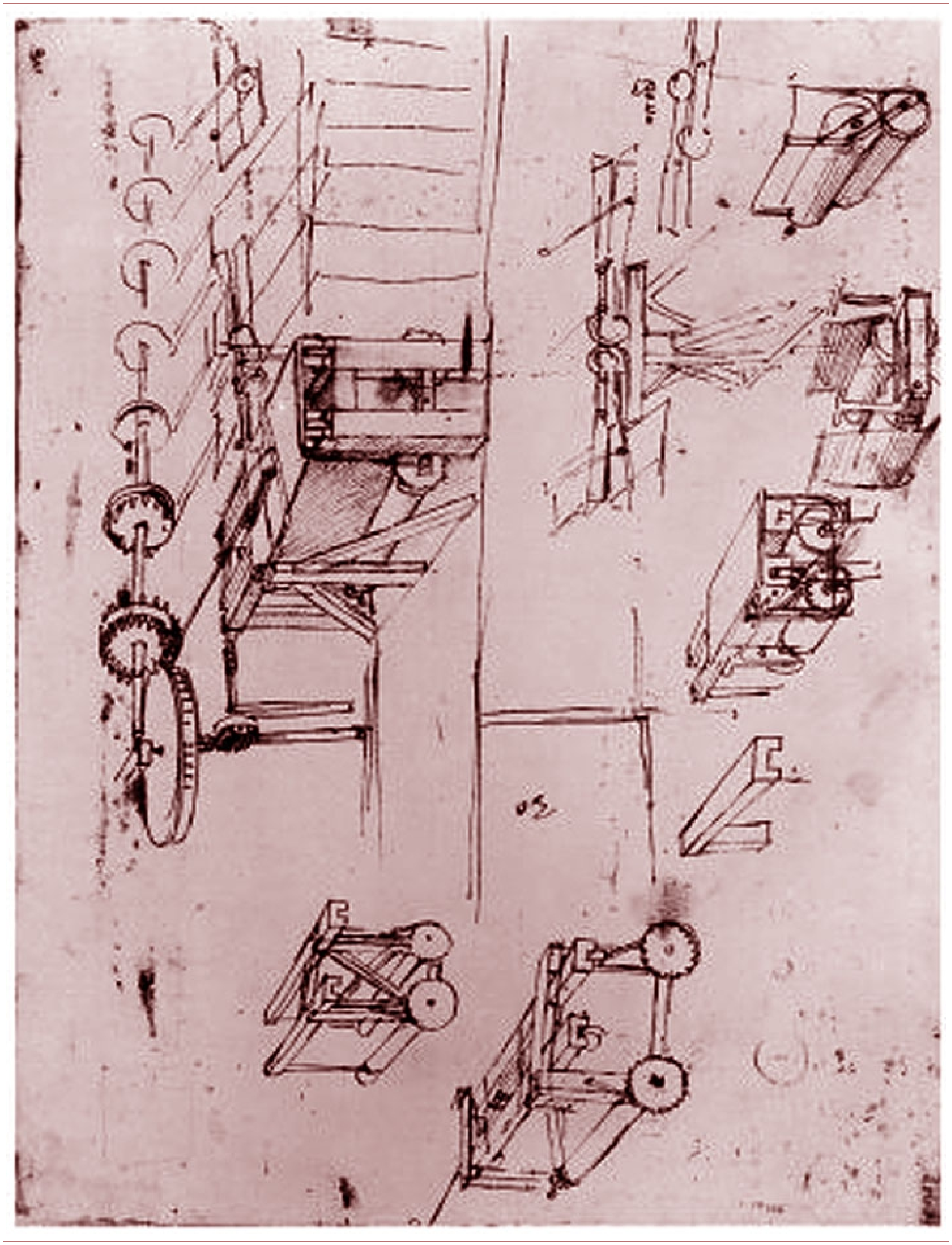


Projekt Pogłębiarki Kanałów Wodnych
Water Canal Excavating Machine Project
Codex Atlanticus Leonardo da Vinci

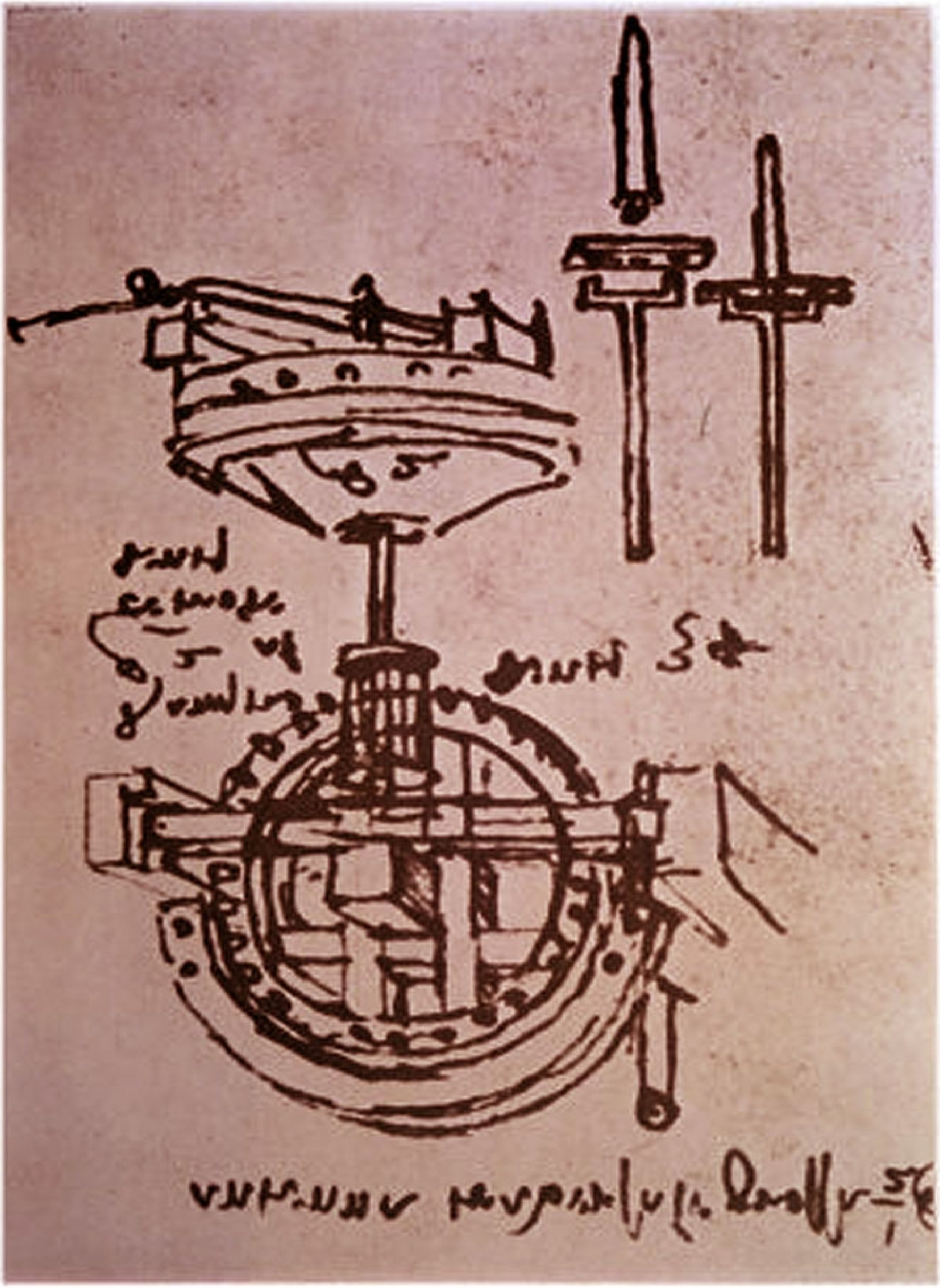
Codex Arundel
Leonardo da Vinci



Projekt Maszyn do Transportu Wody
Water Transportation Designs
Leonardo da Vinci



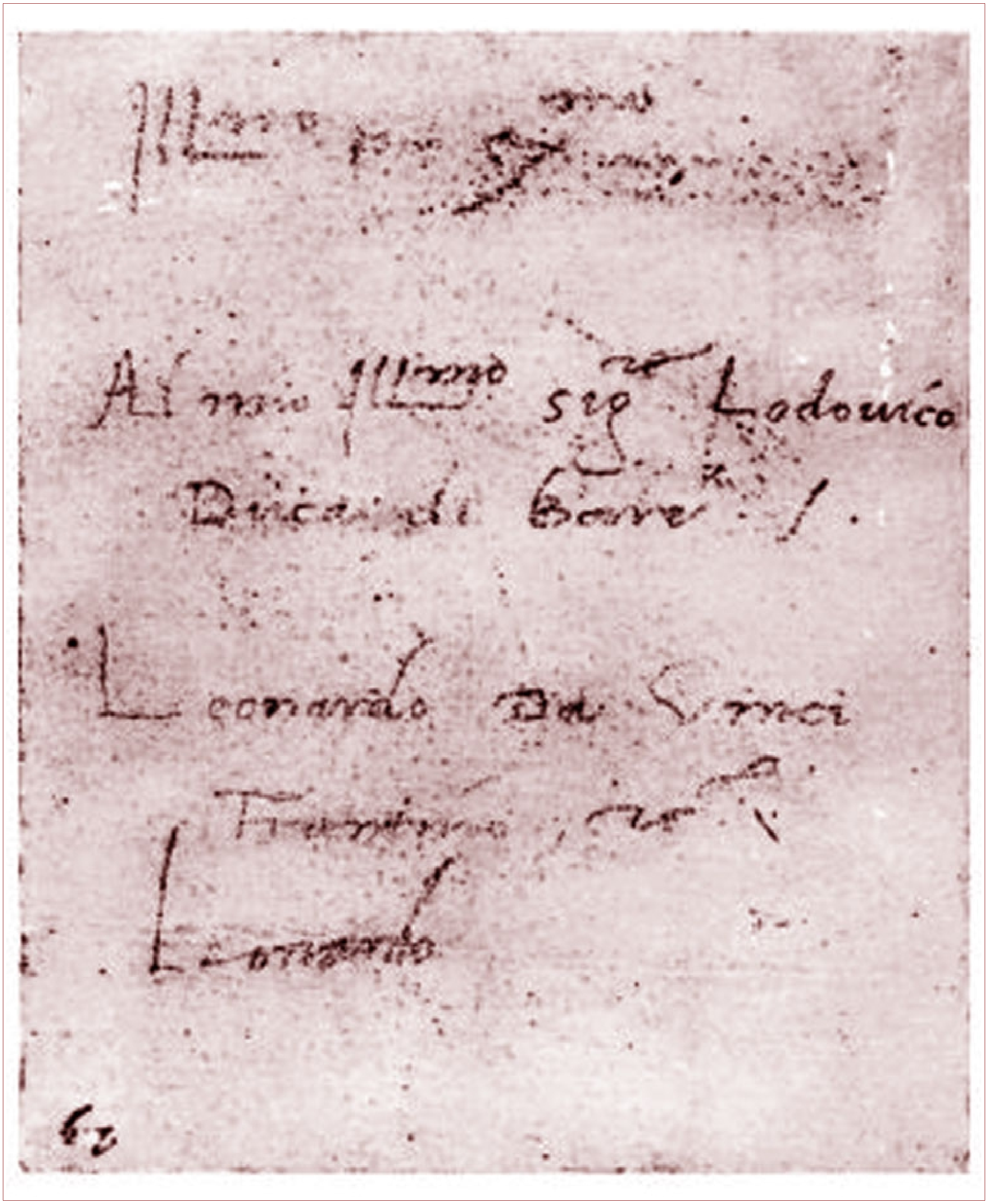
Studium Maszyn
Mechanical Studies
Leonardo da Vinci



Studium Maszyn
Mechanical Studies
Leonardo da Vinci

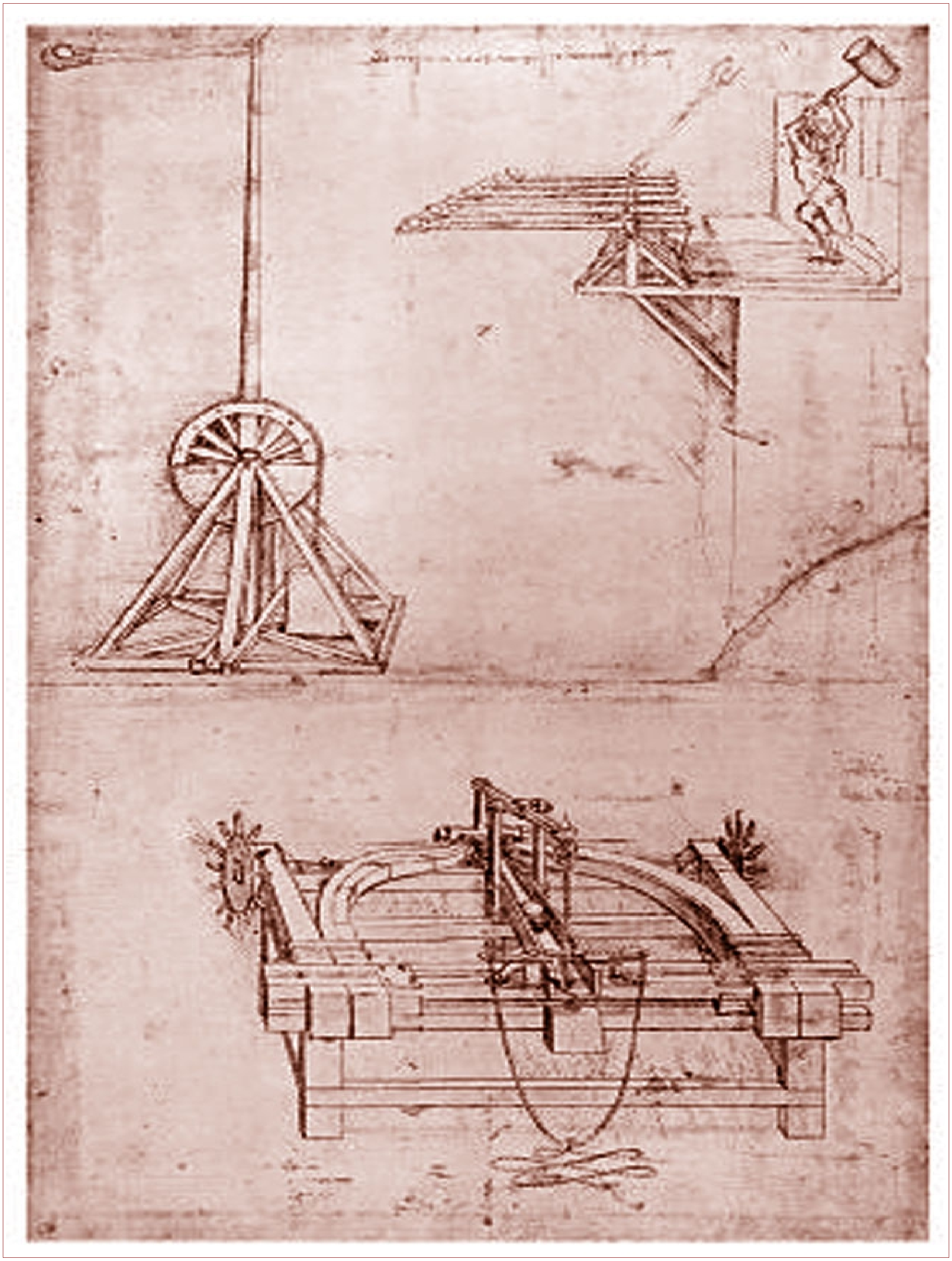
Studium do Pokłonu Trzech Króli
Study for the Adoration of the Magi
Leonardo da Vinci

Studium do Pokłonu Trzech Króli
Study for the Adoration of the Magi
Leonardo da Vinci

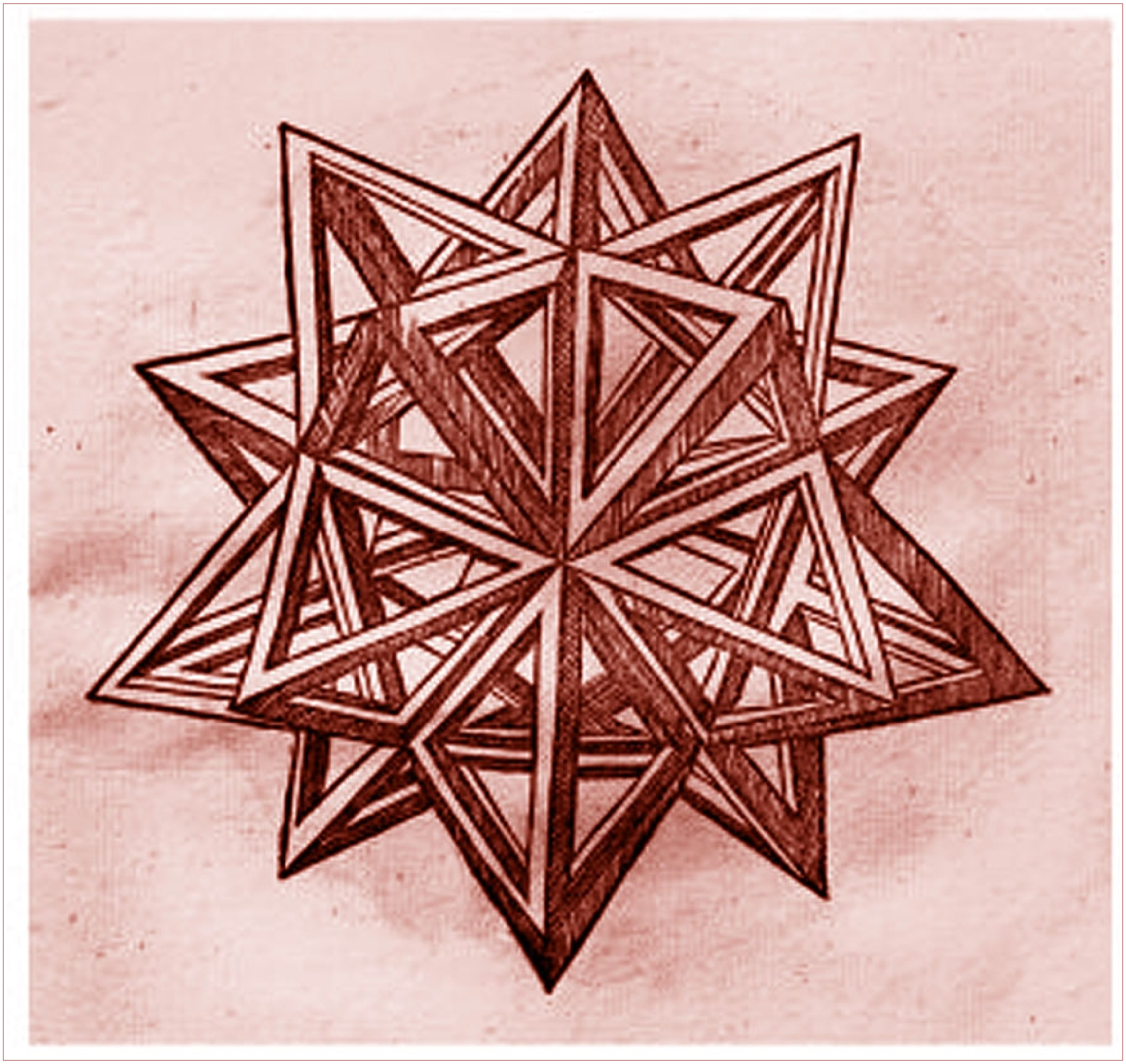

Al mio Ill.mo sig.re Lodovico
Duca di Bari
Leonardo da Vinci
Fiorentino etc.
Leonardo
62

Własnoręczne Pismo Leonarda
Leonardo Handwriting
Leonardo da Vinci

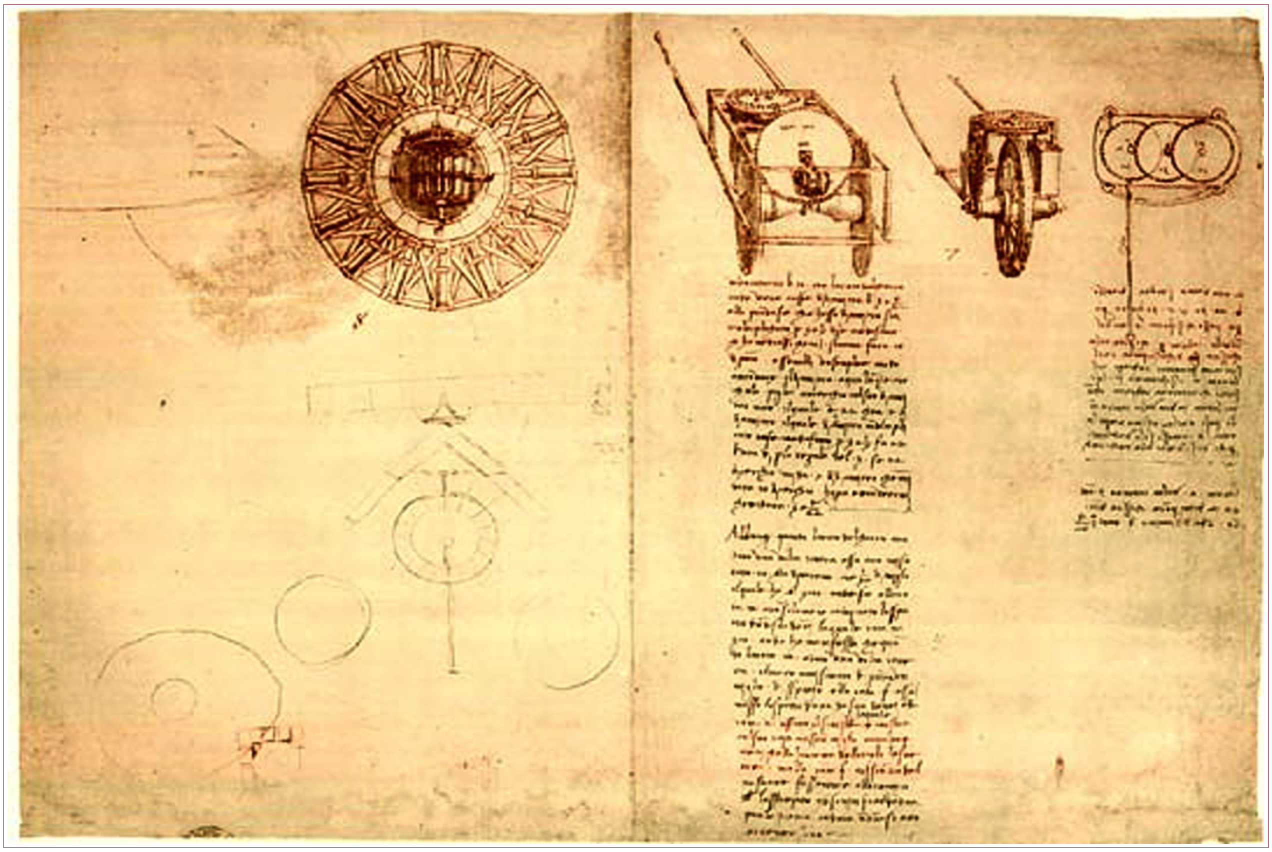
Studium Dziewicy z Dzieciątkiem i Projekty Maszyn
Study of the Virgin and the Child, Machine Designs
Leonardo da Vinci



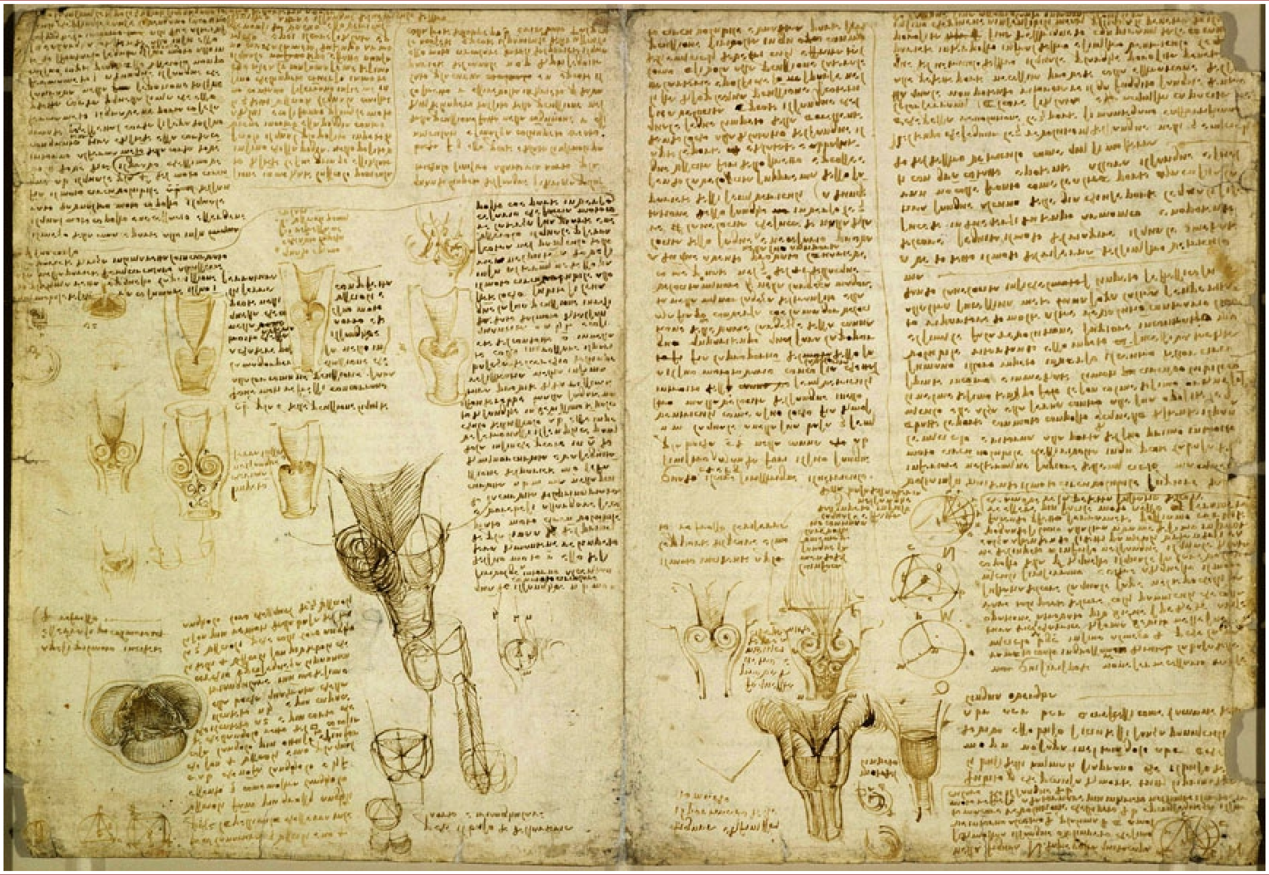
Maszyny Oblężnicze Obronne
Military Machines
Codex Atlanticus



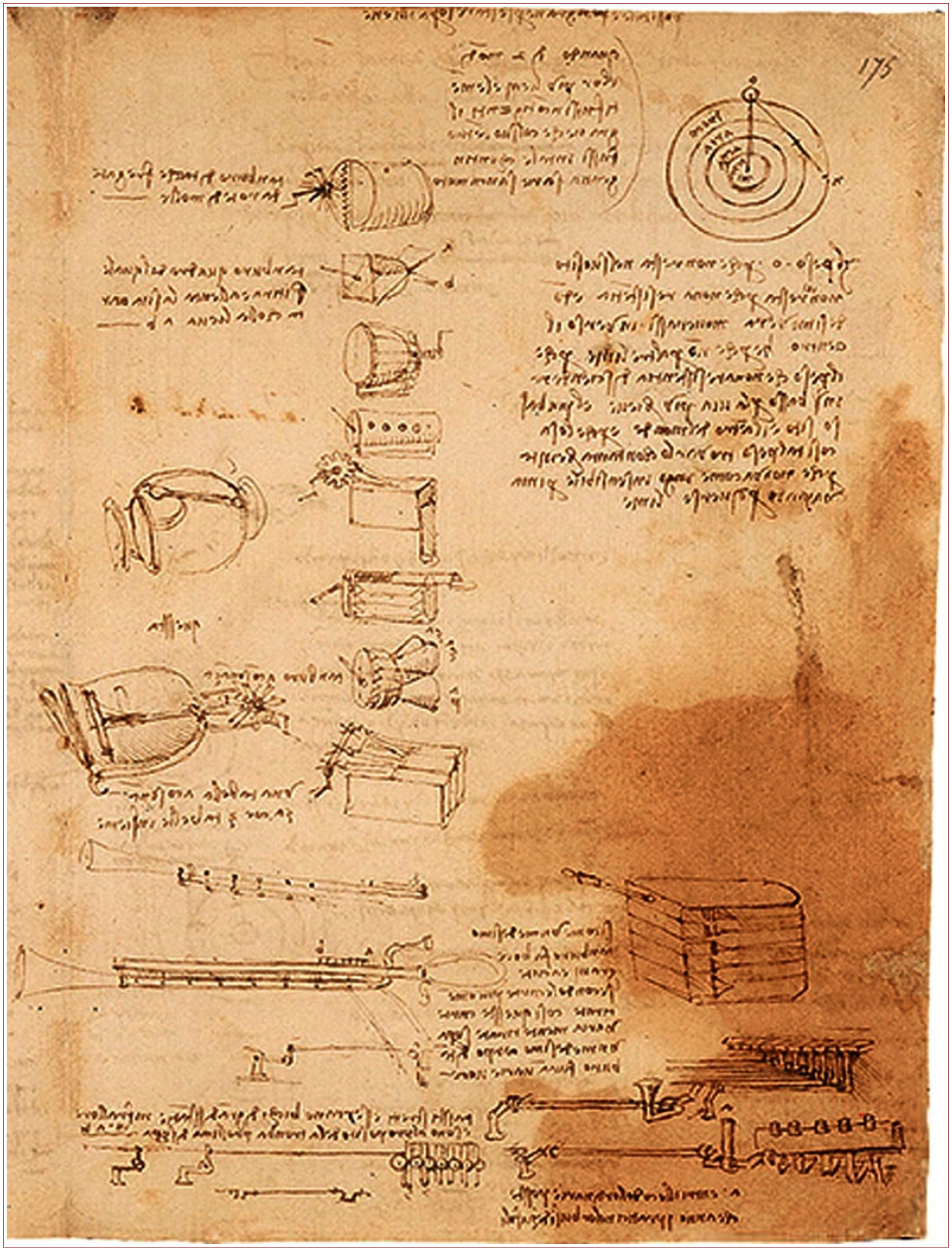
Szkic do Ilustracji Leonarda do Boskiej Geometrii Luca Pacioli (Wenecja 1509)
Dodecahedron
De Divina Proportione by Luca Pacioli Published in 1509 in Venice
Leonardo da Vinci



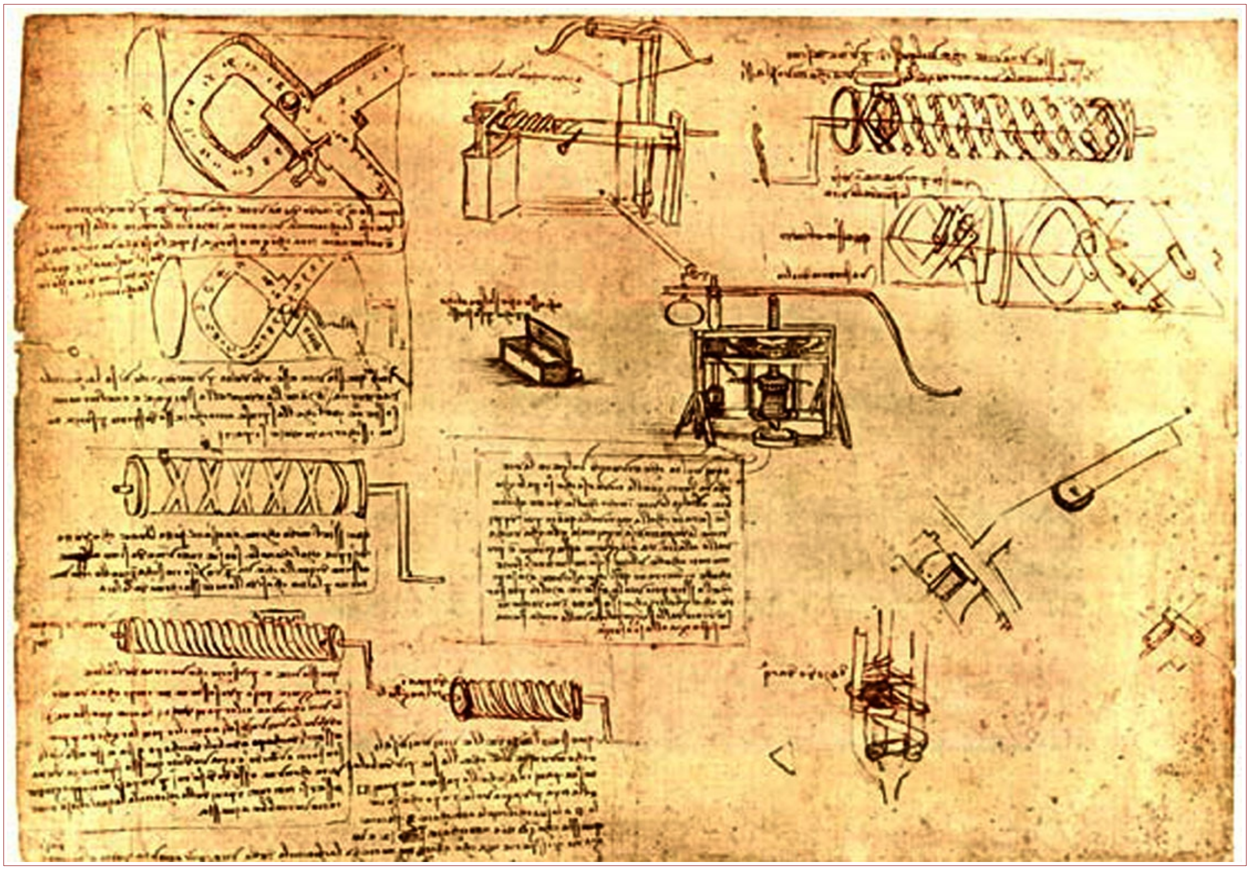
Leonardo da Vinci



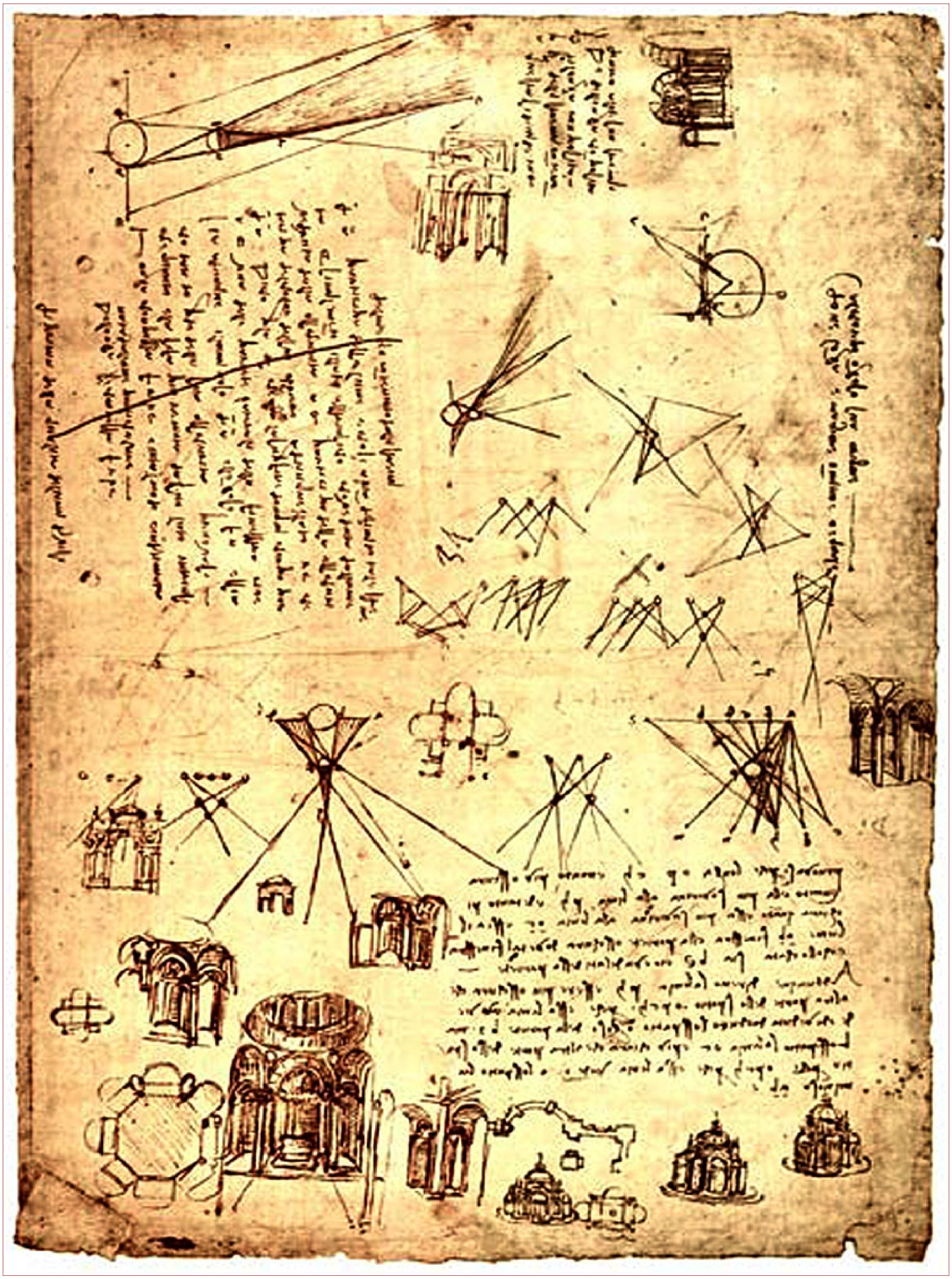
Leonardo da Vinci



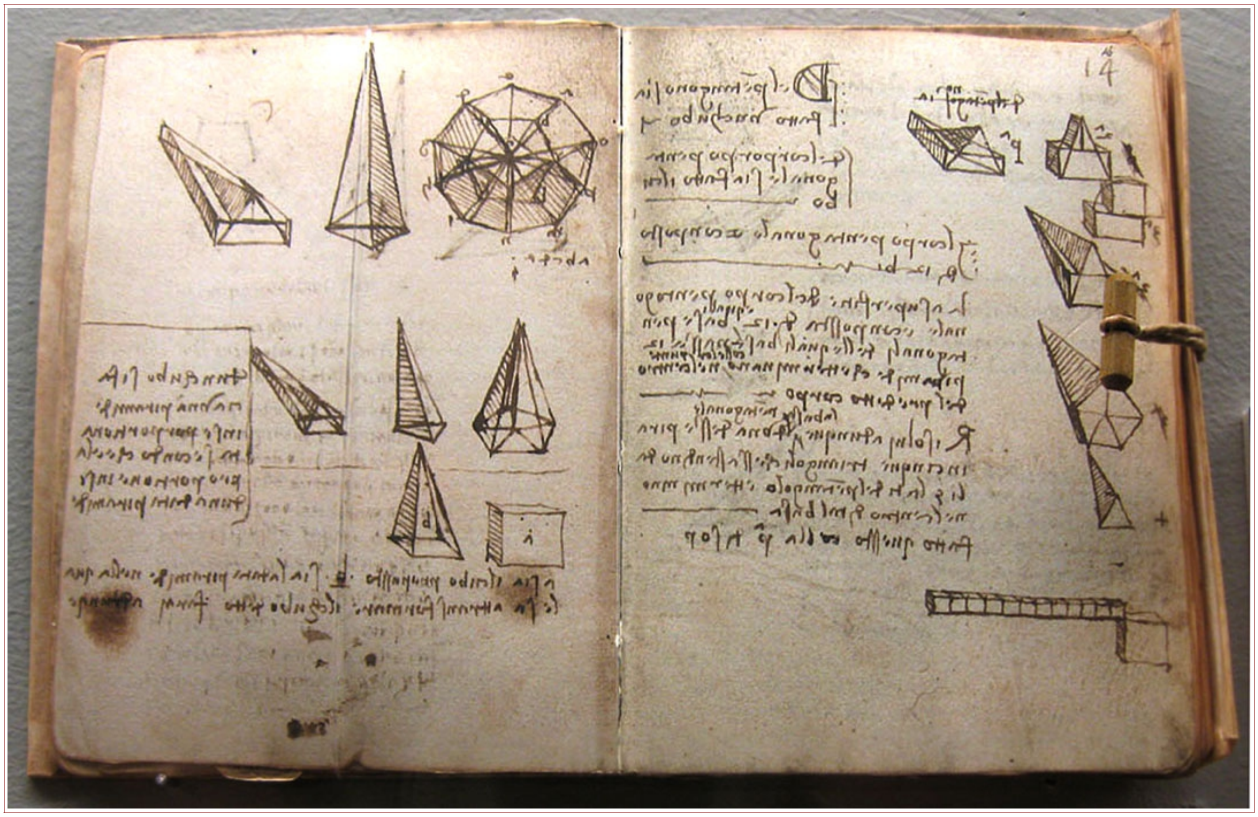
Leonardo da Vinci



Leonardo da Vinci

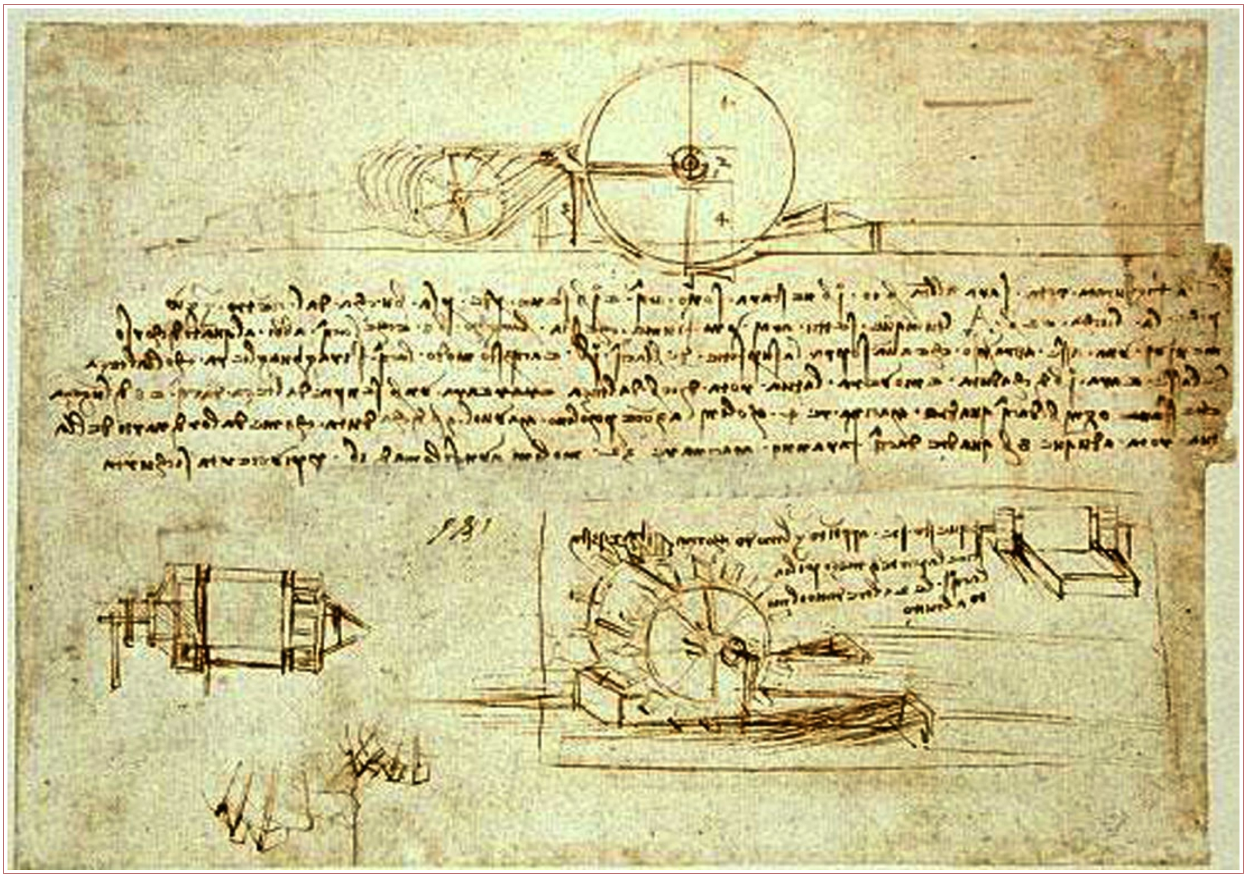


Leonardo da Vinci



Leonardo da Vinci

Wodospady
Waterfalls
Leonardo da Vinci



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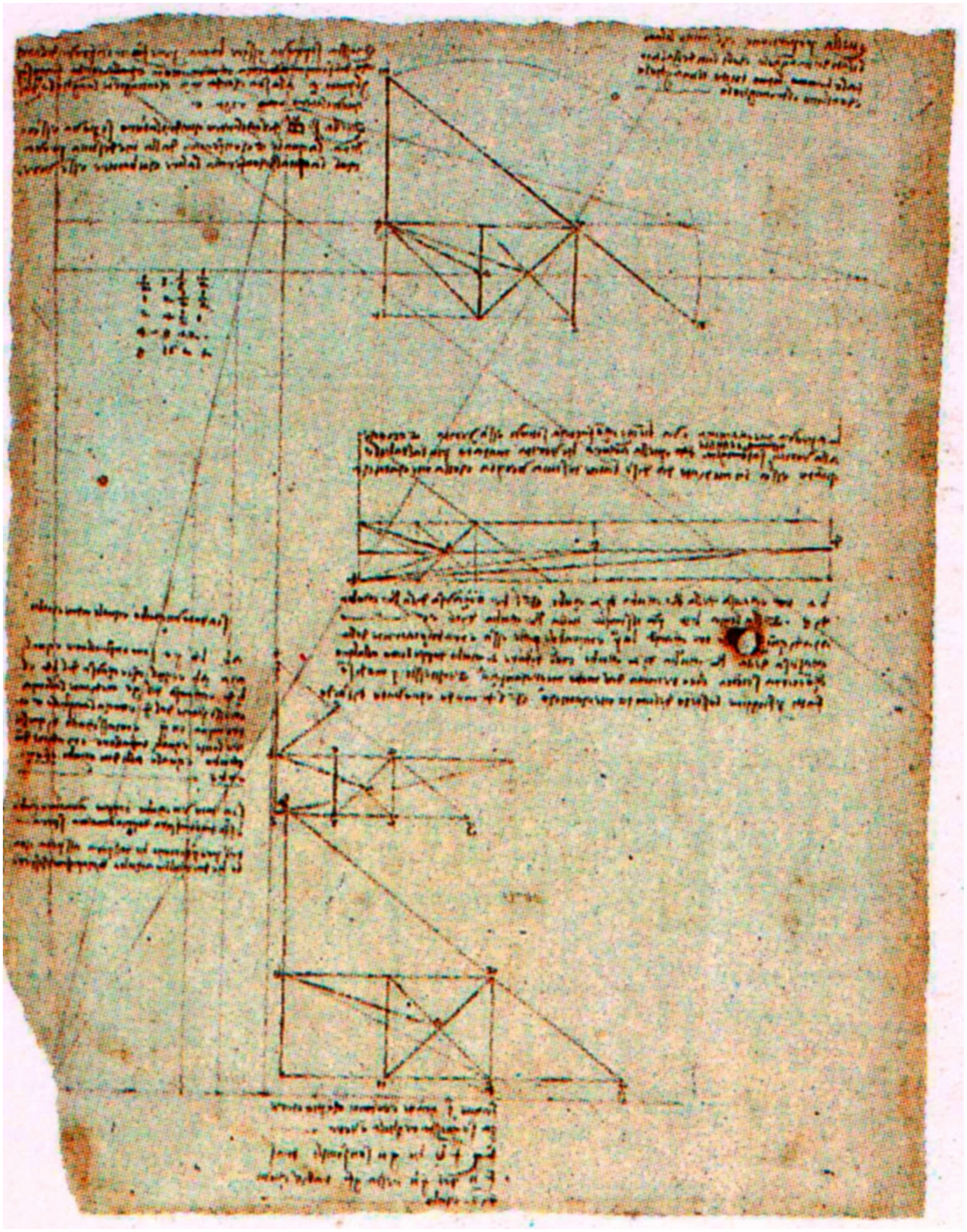

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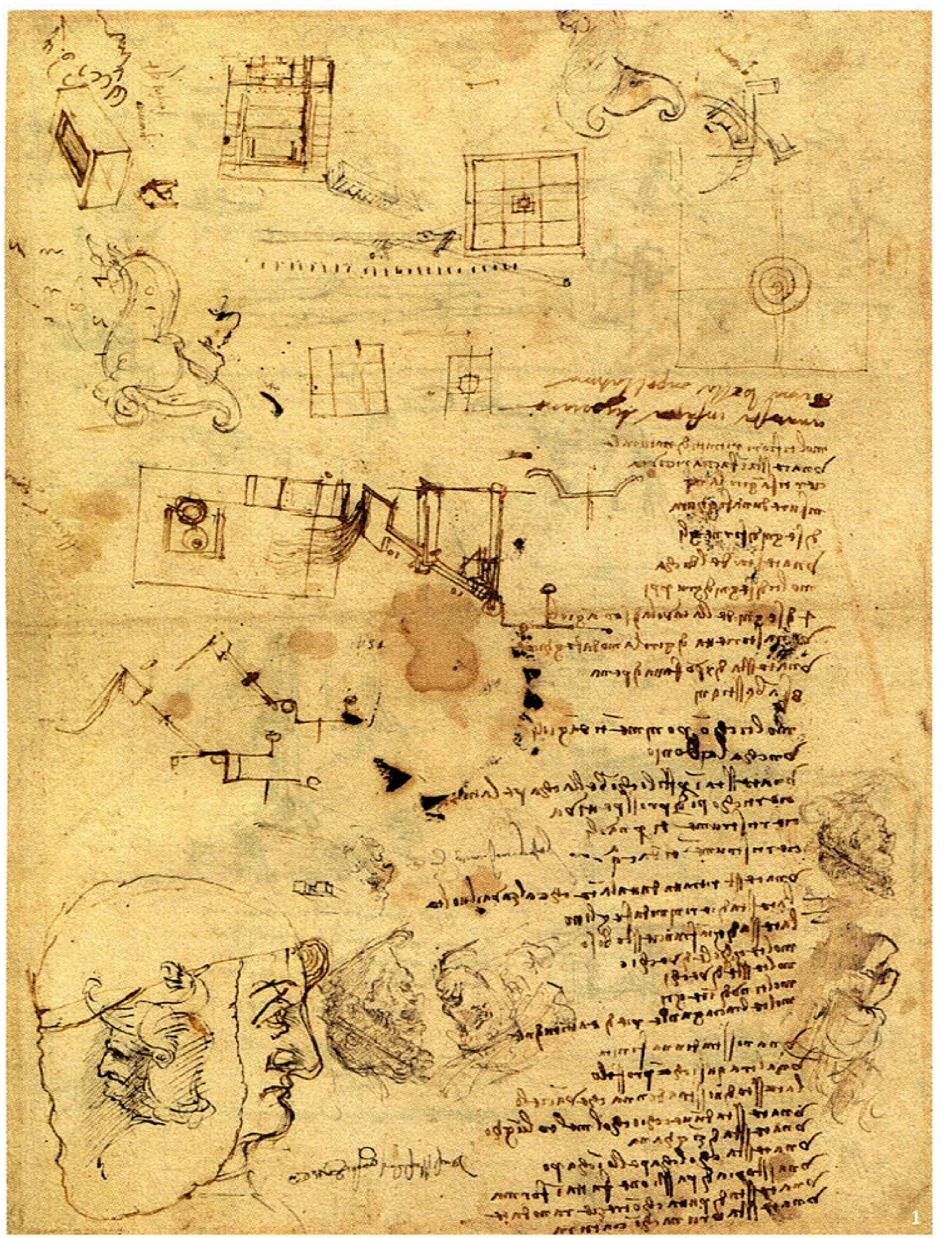
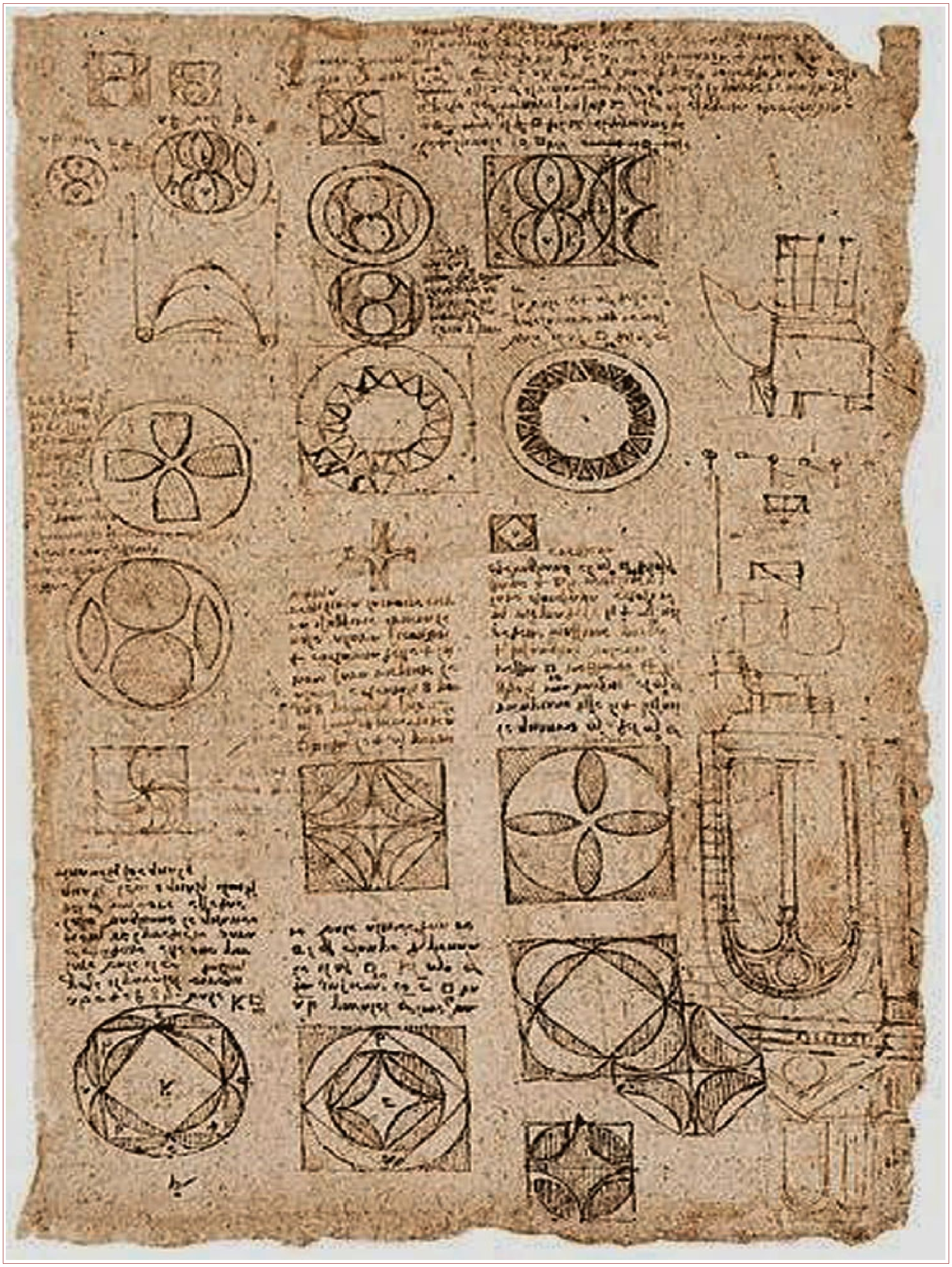
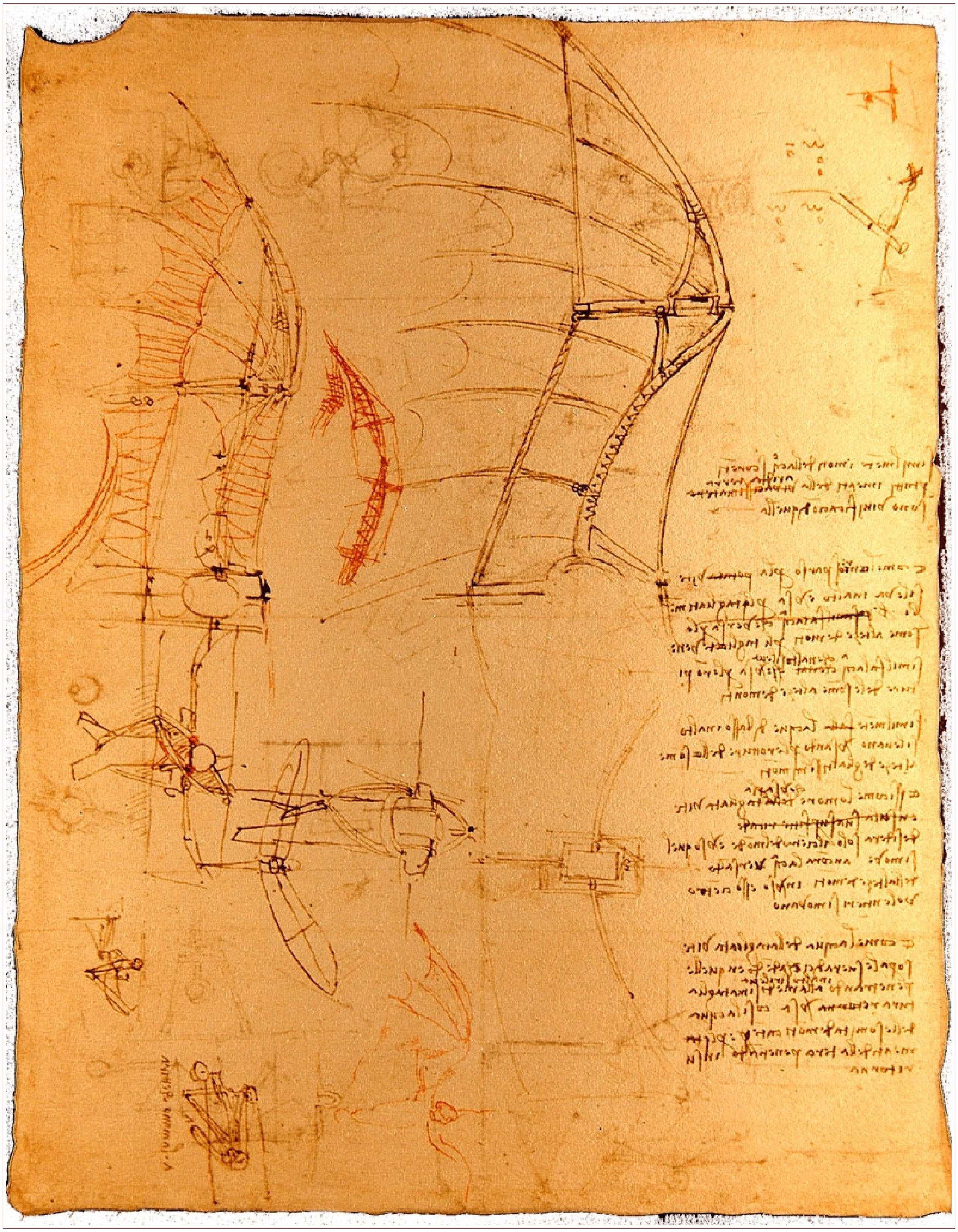
Leonardo da Vinci



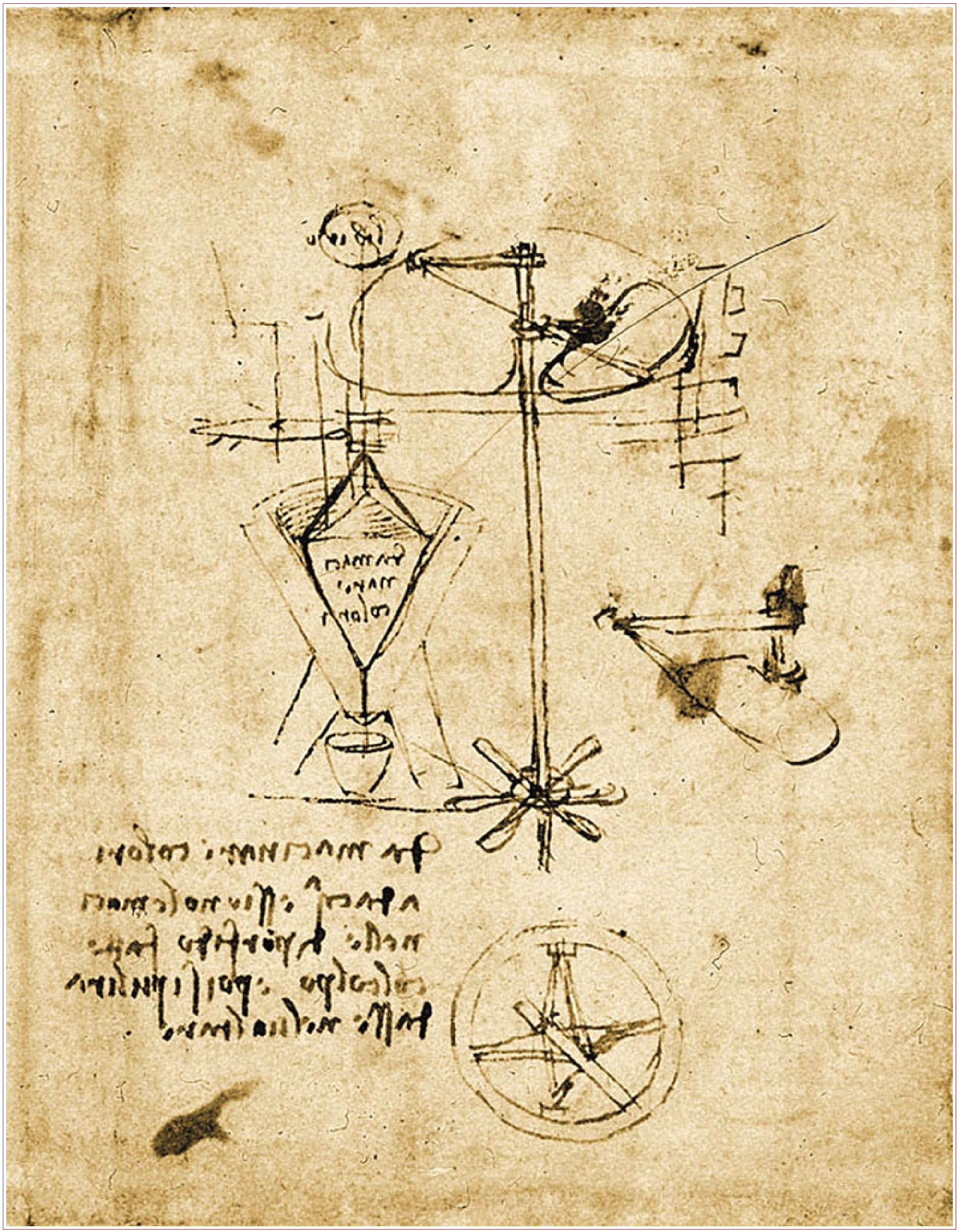
Leonardo da Vinci



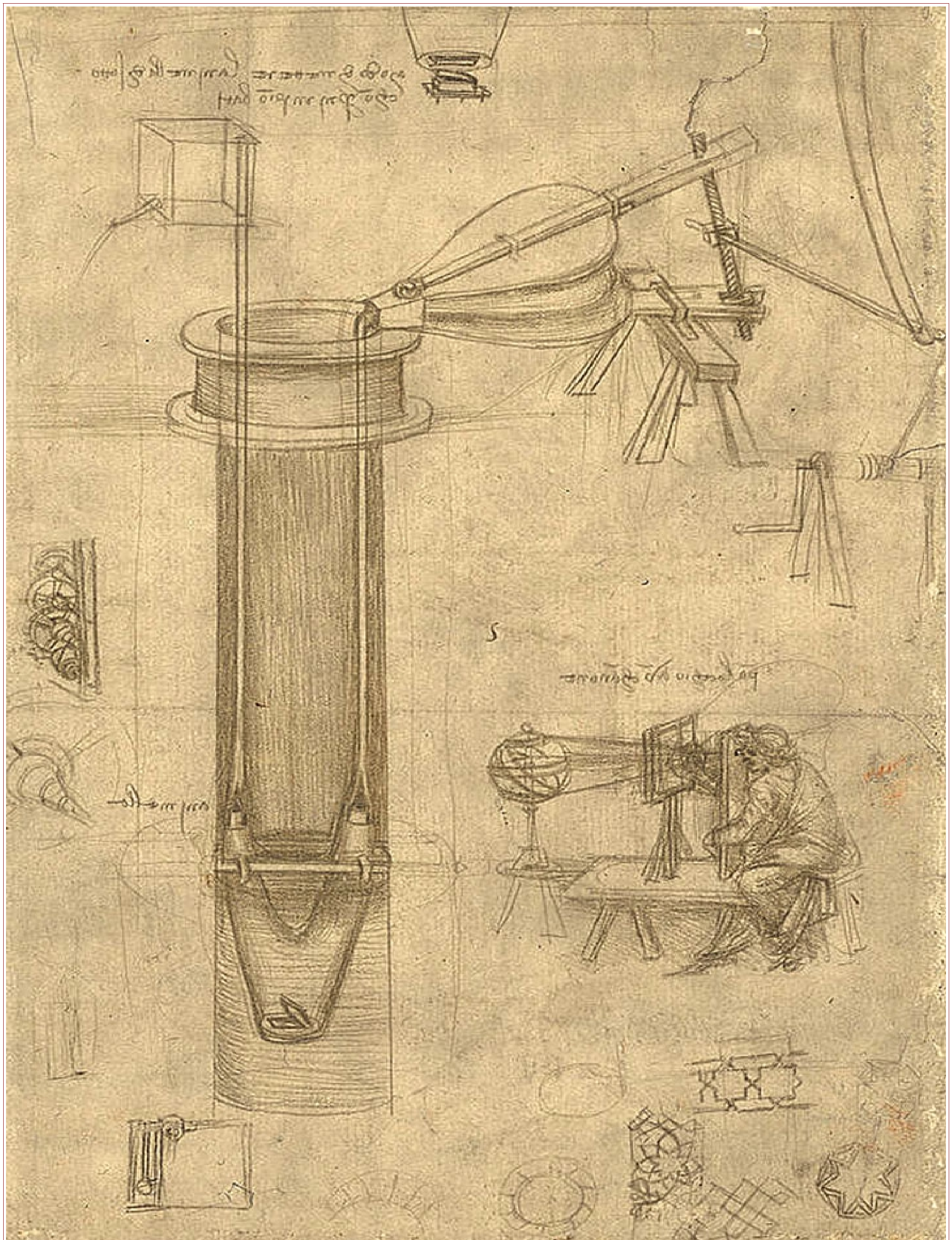
Leonardo da Vinci



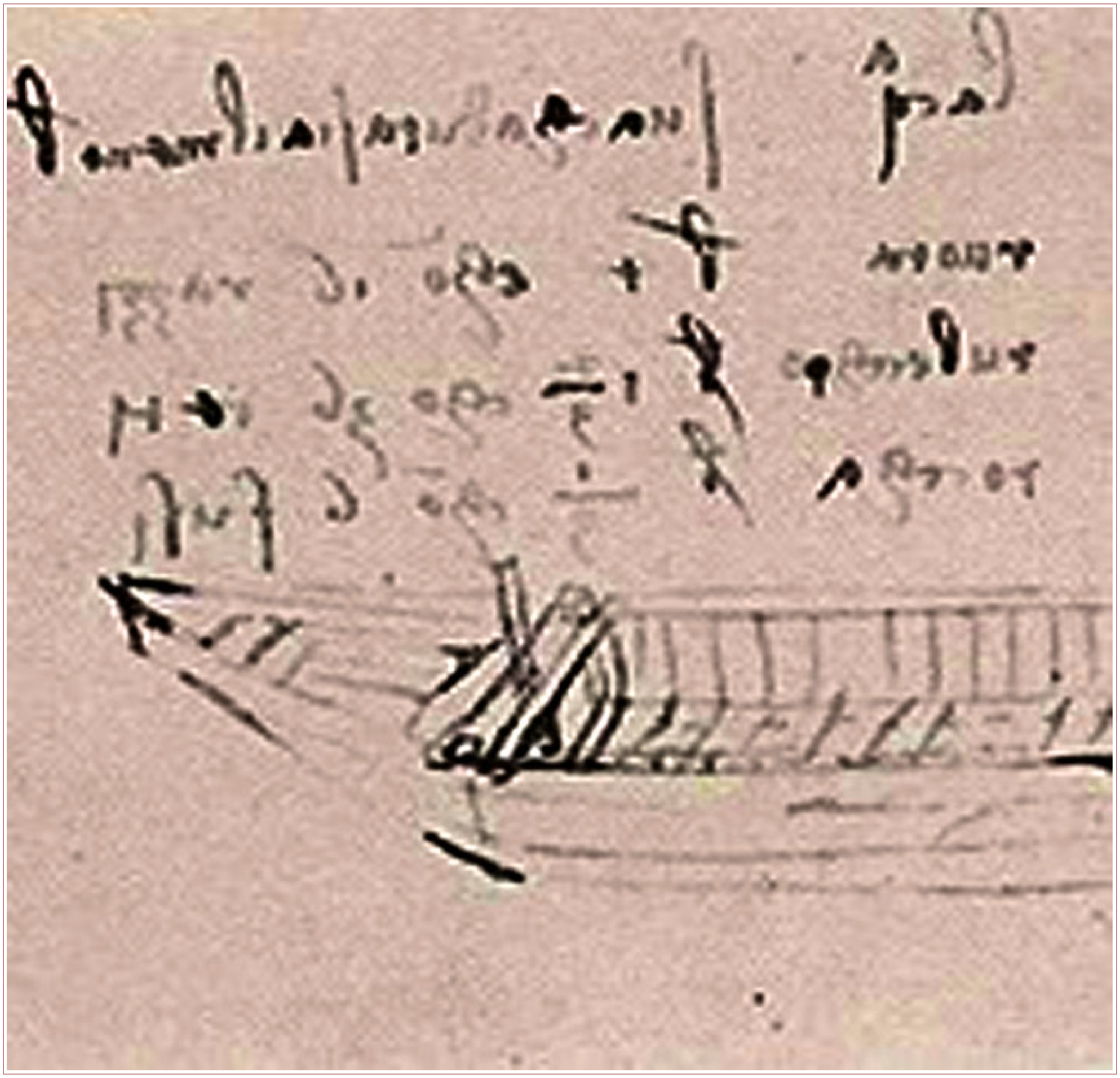
Leonardo da Vinci



Codex Atlanticus
Leonardo da Vinci

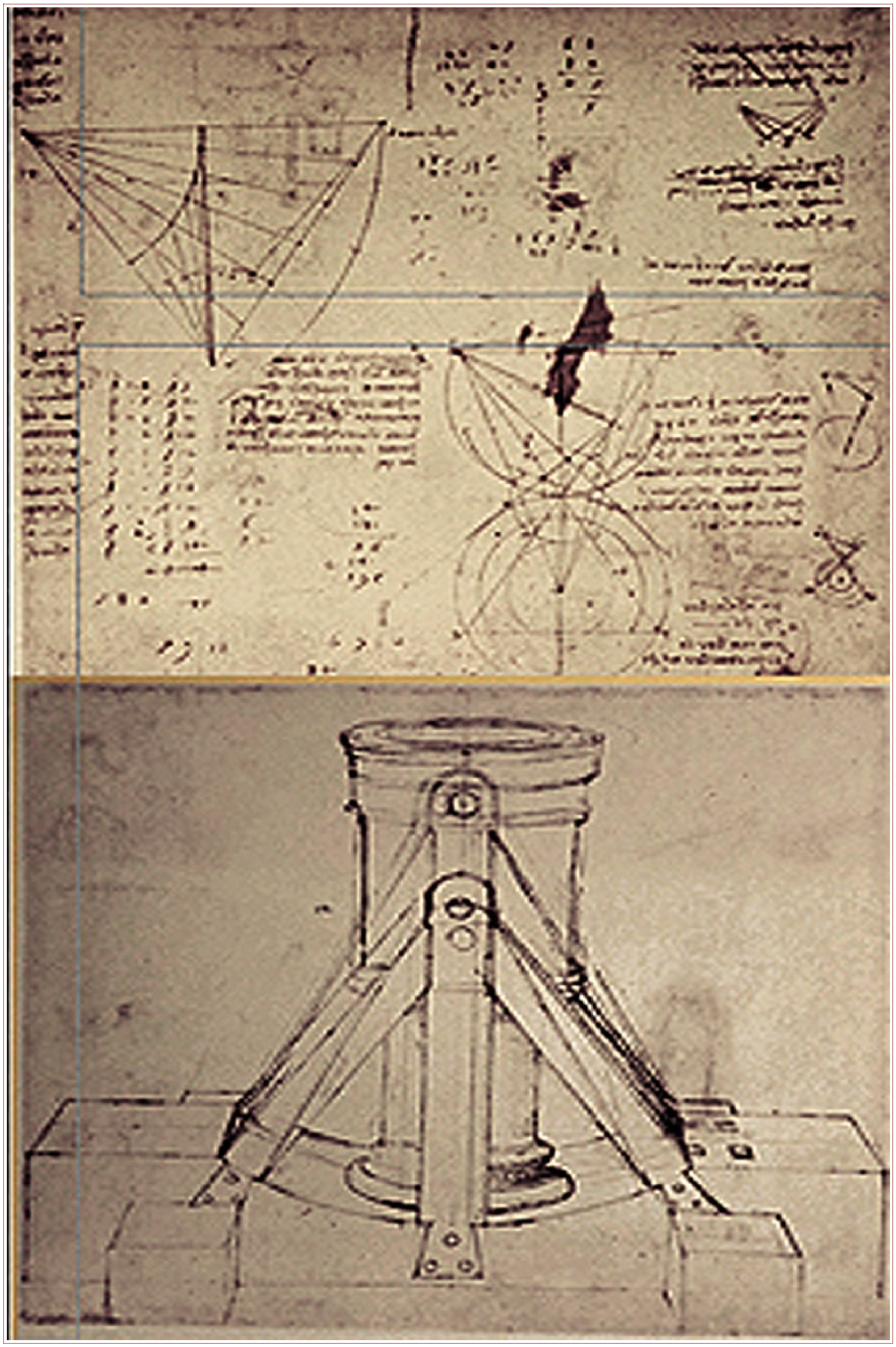


Codex Atlanticus
Leonardo da Vinci

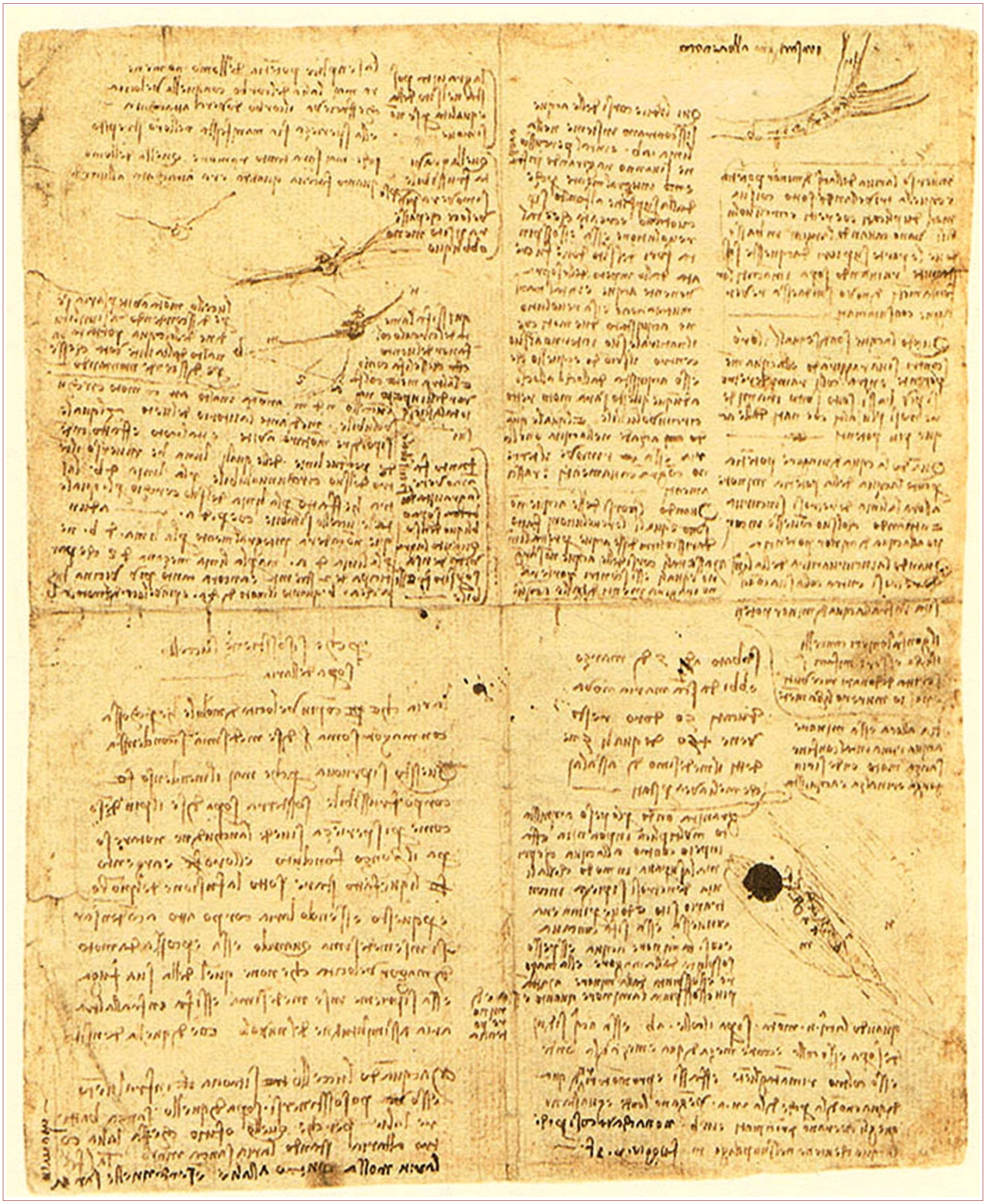


Leonardo da Vinci

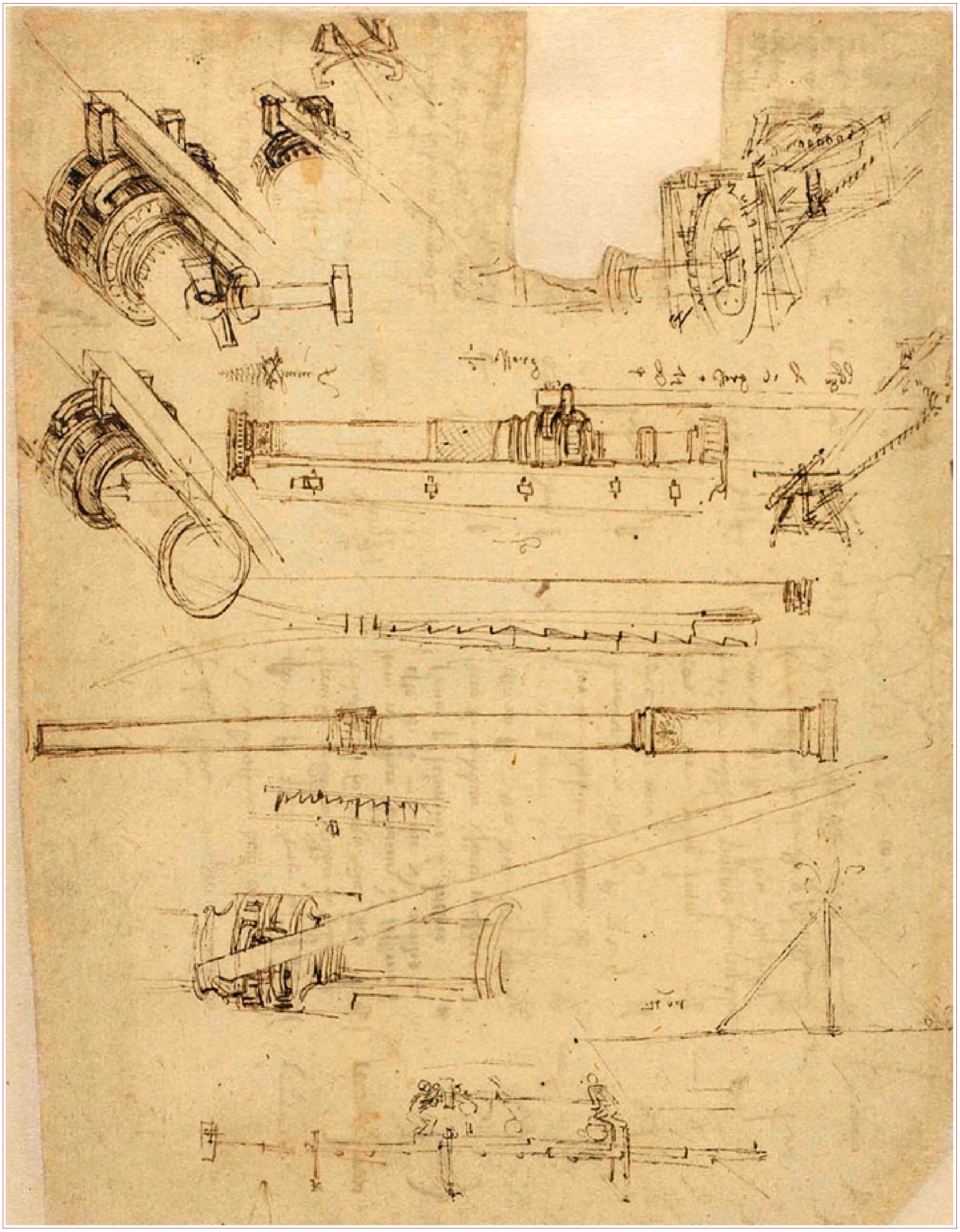
Leonardo da Vinci



Codex Atlanticus
Leonardo da Vinci

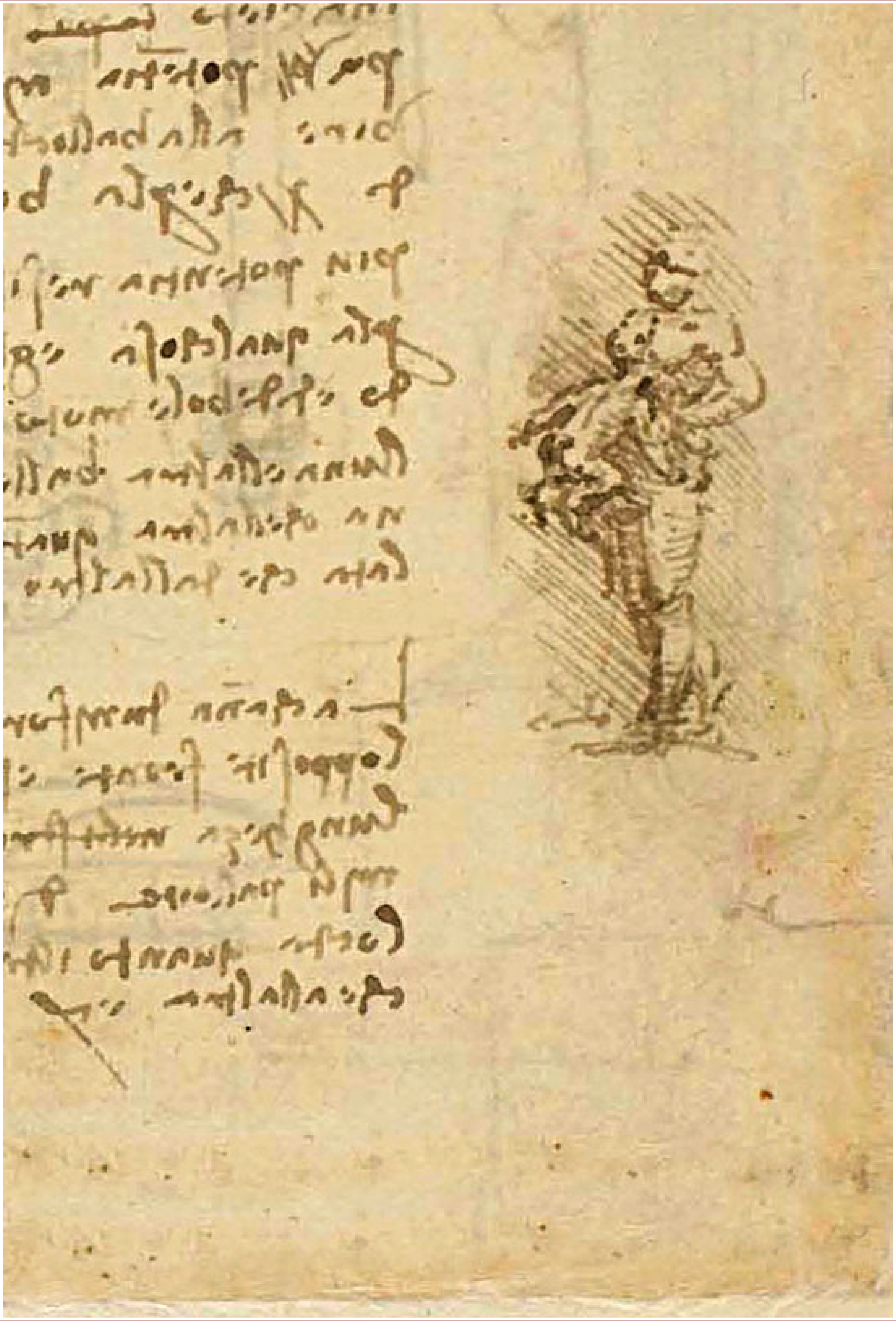


Codex Atlanticus
Leonardo da Vinci



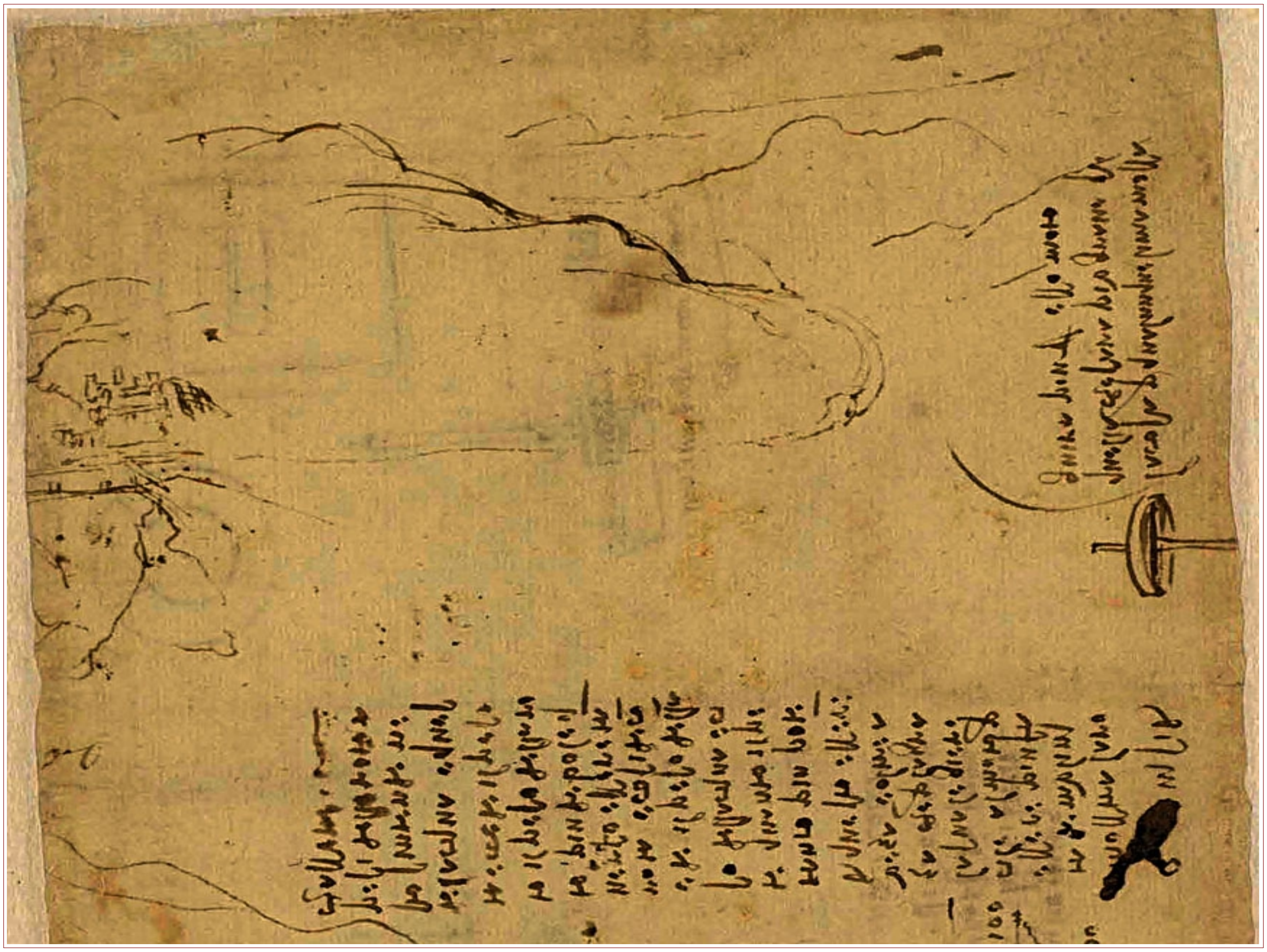
Leonardo da Vinci

Leonardo da Vinci

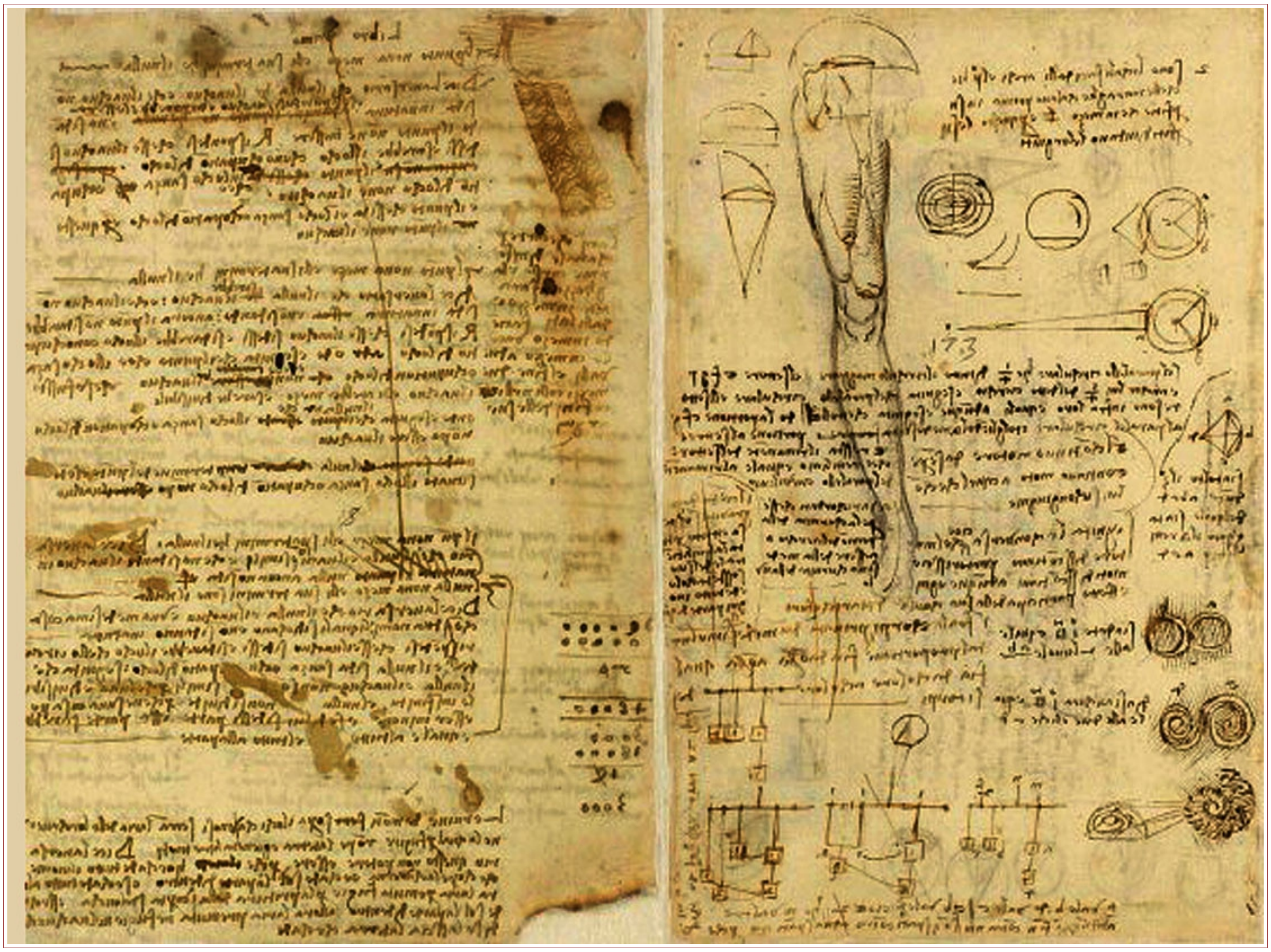


Veneranda Biblioteca Ambrosiana Milan
Leonardo da Vinci

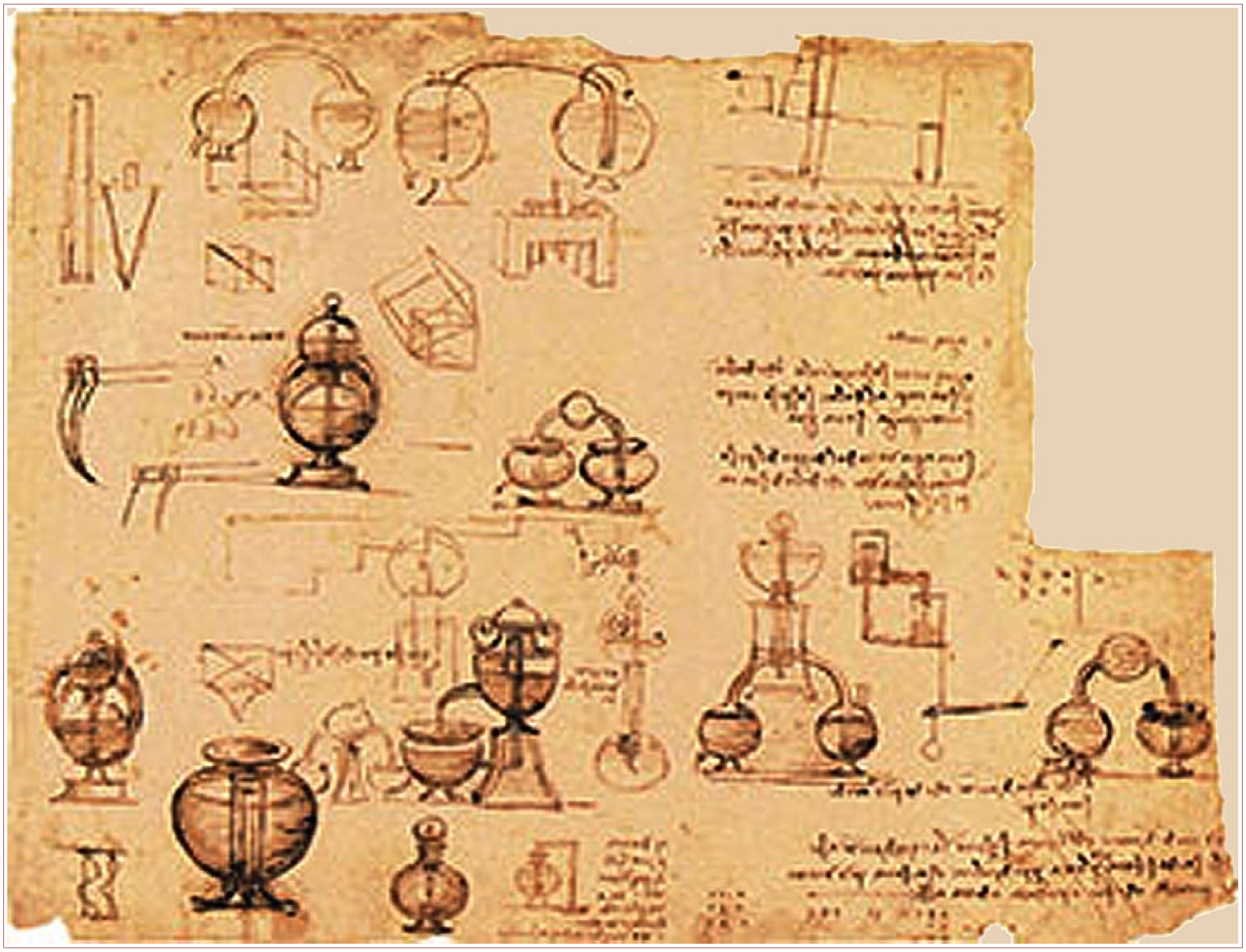
Veneranda Biblioteca Ambrosiana Milan
Leonardo da Vinci



Veneranda Biblioteca Ambrosiana Milan
Leonardo da Vinci

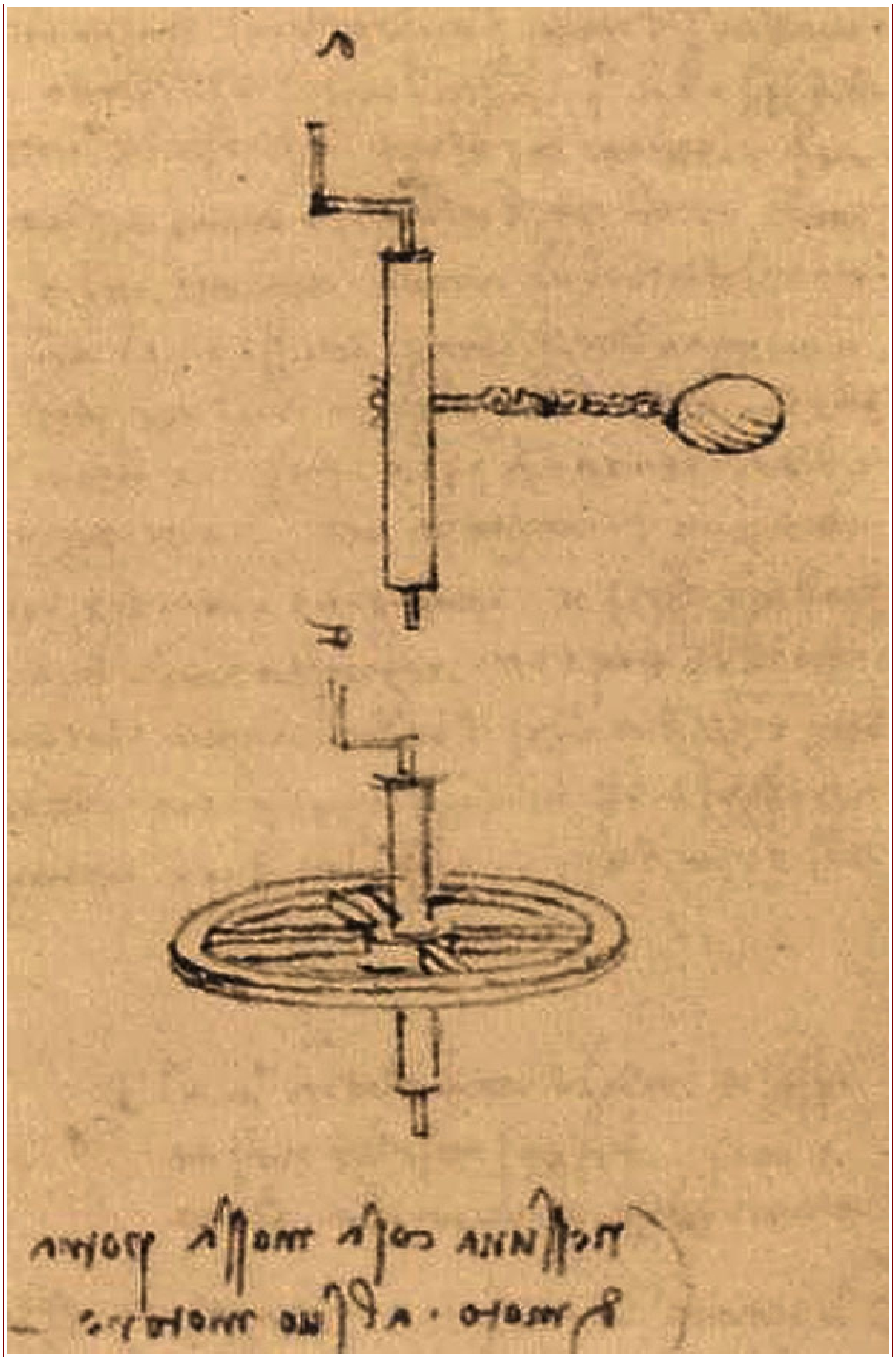


Leonardo da Vinci

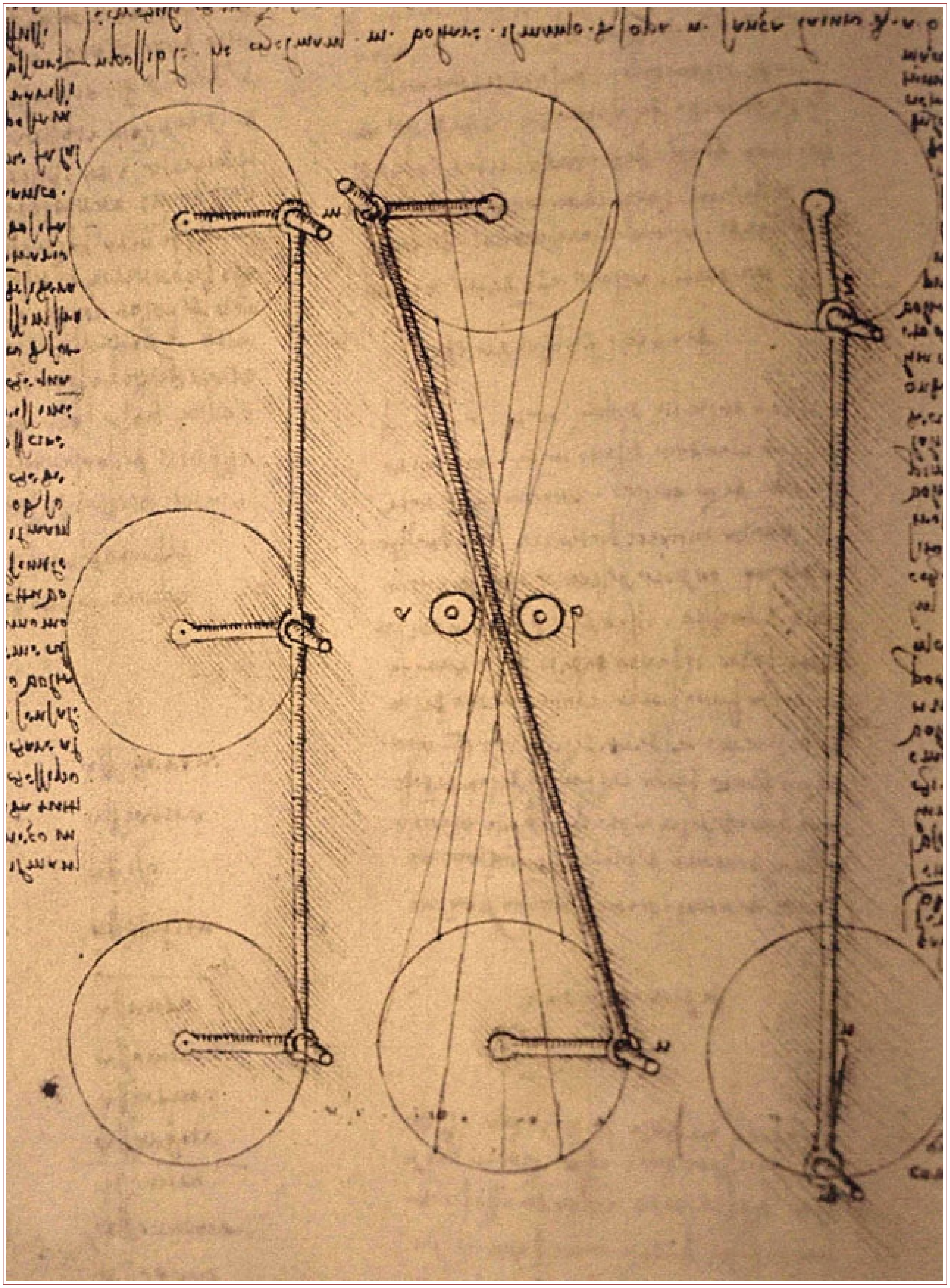


Leonardo da Vinci

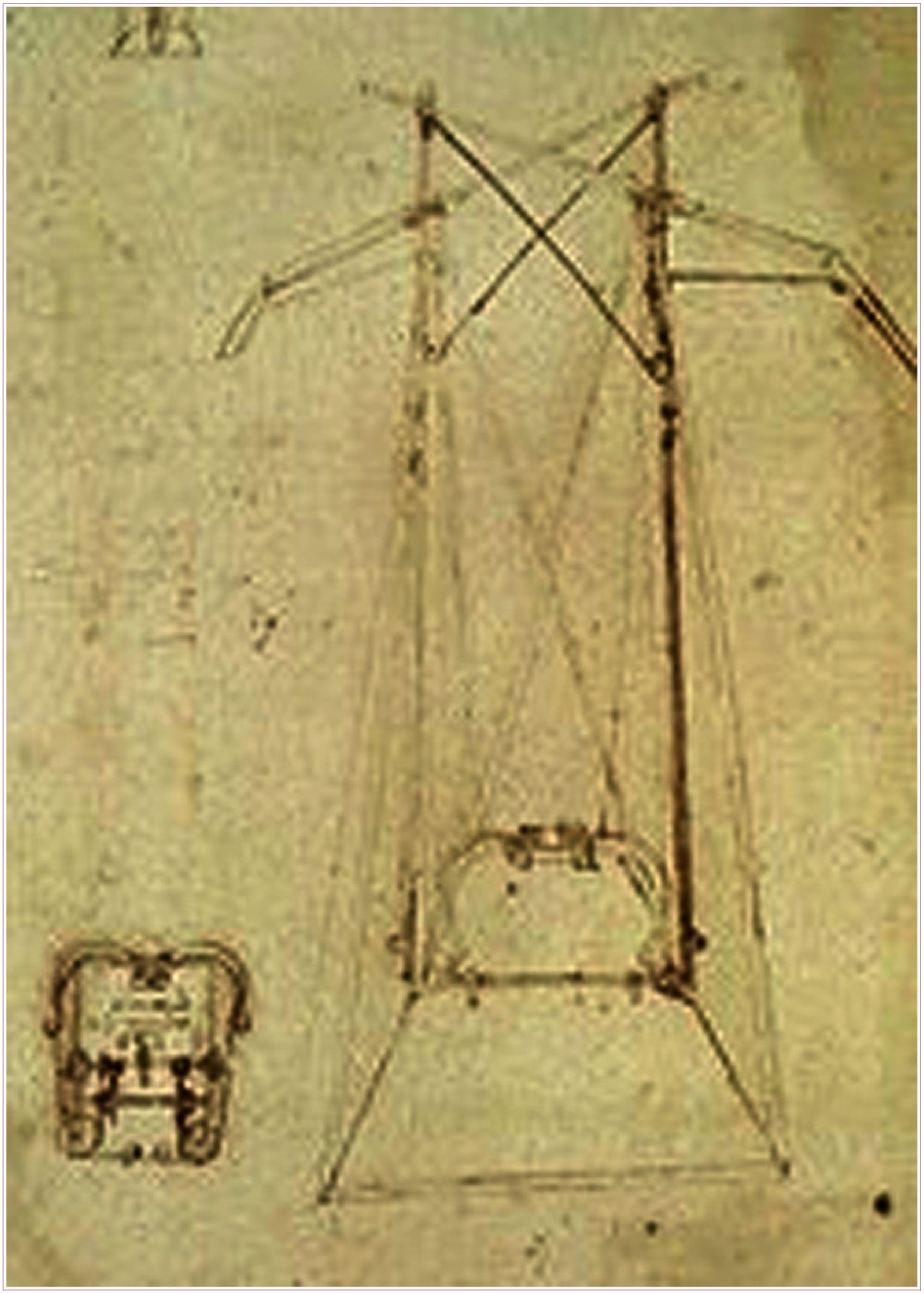
Studium Płodu
Study of the Fetus
Leonardo da Vinci



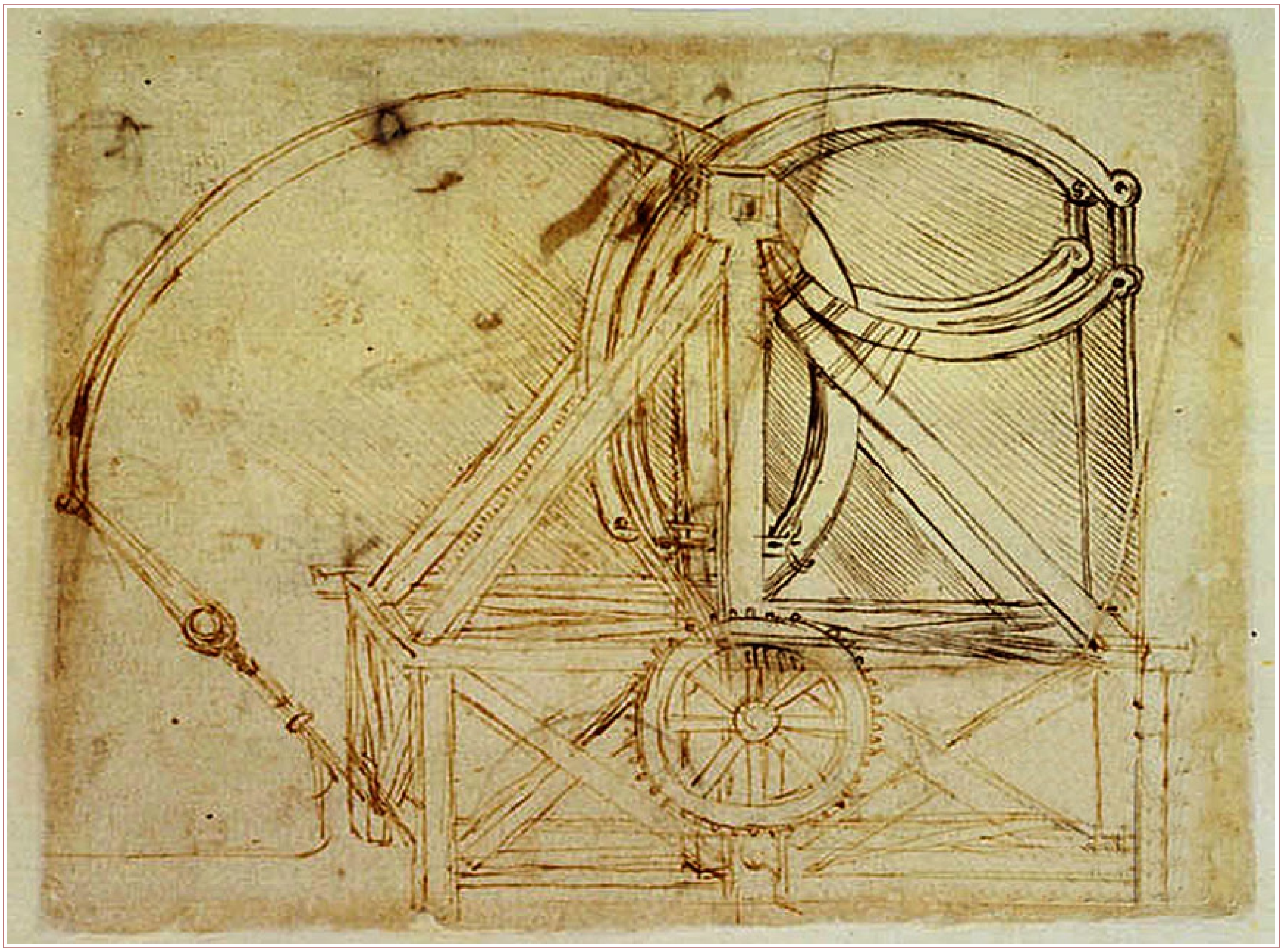
Codex Madrid
Leonardo da Vinci



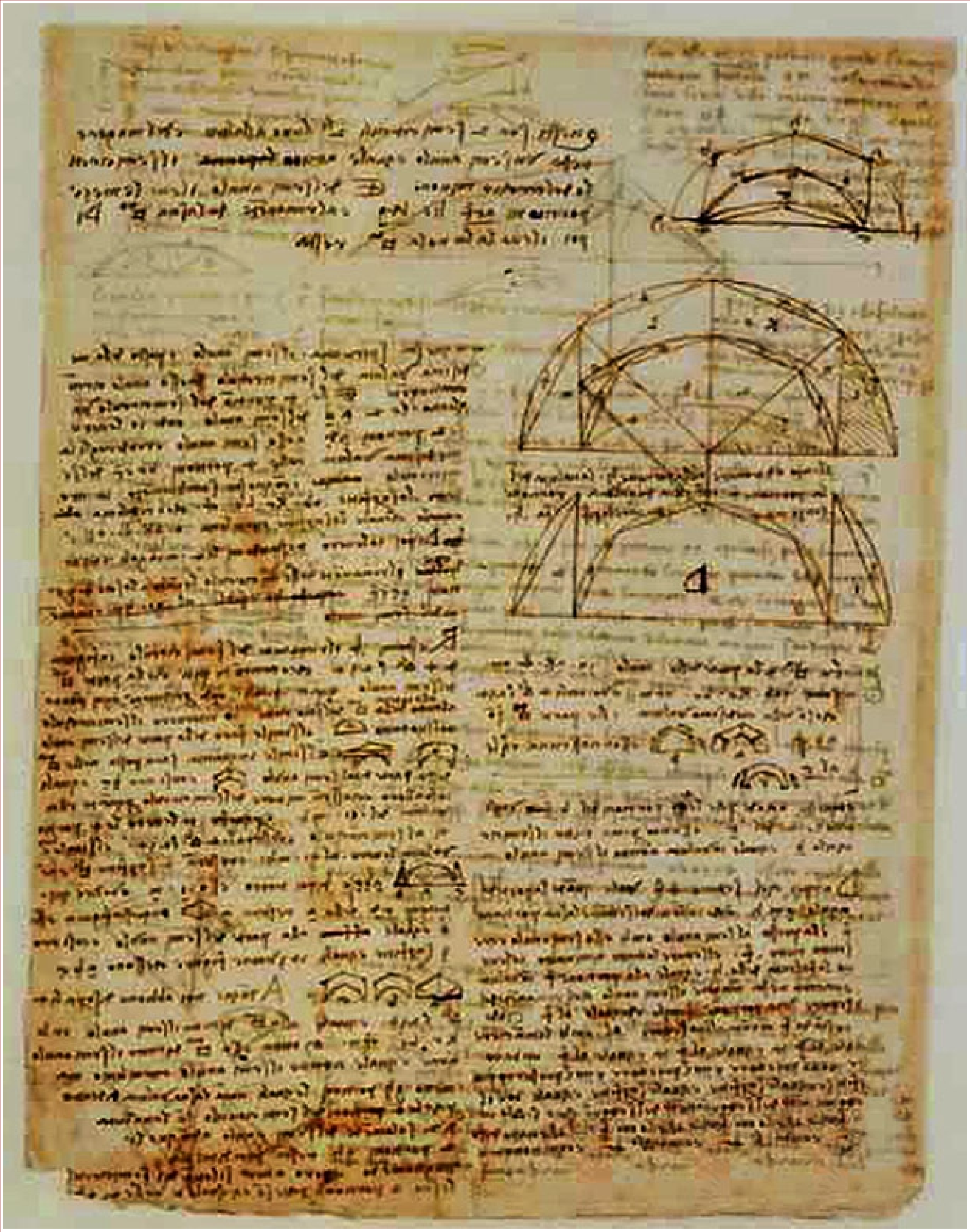
Codex Madrid
Leonardo da Vinci



Projekt Urzadzenia do Maszyny Latajacej
Engine for Flying Machine
Codex Atlanticus
Leonardo da Vinci

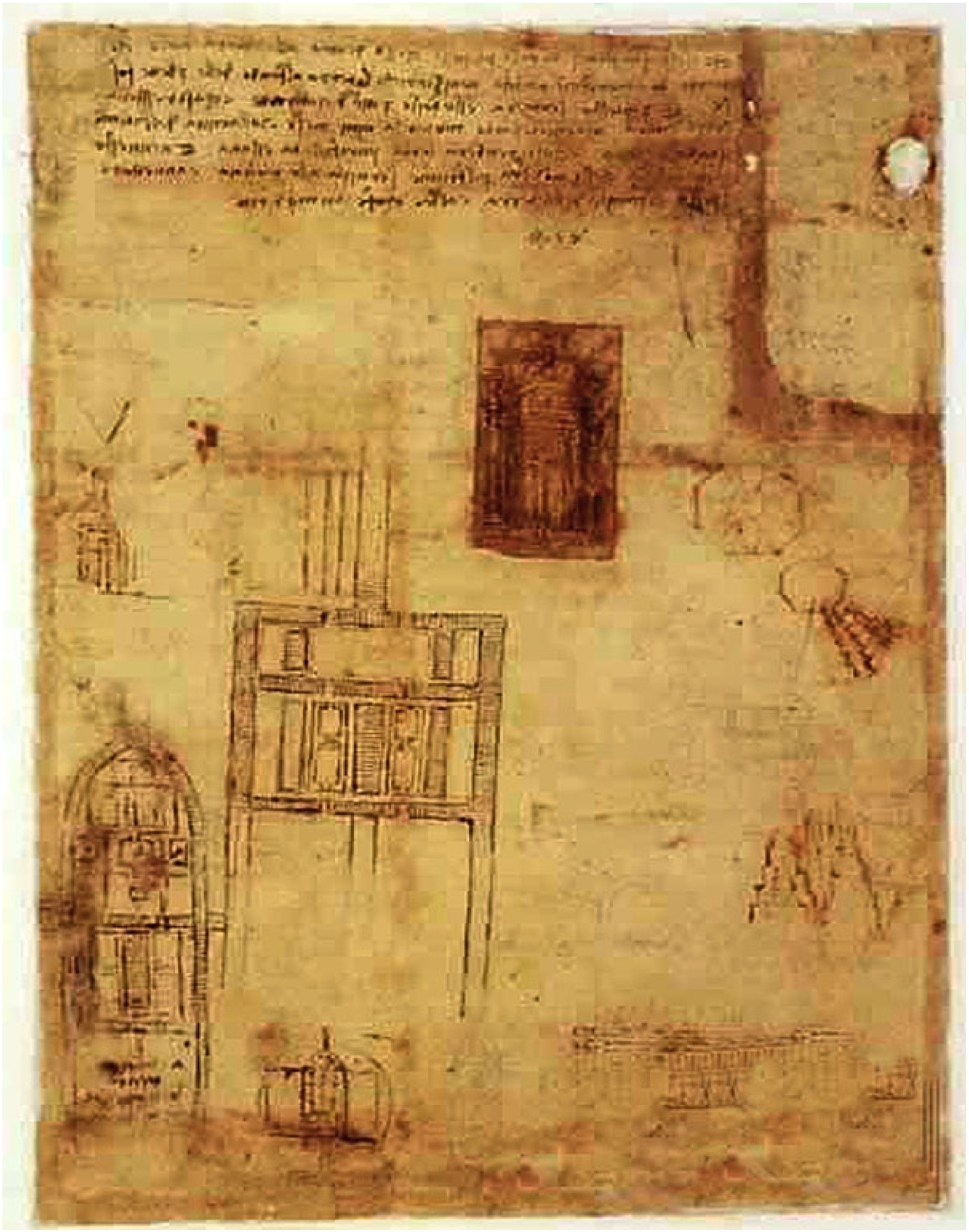


Codex Atlanticus
Leonardo da Vinci

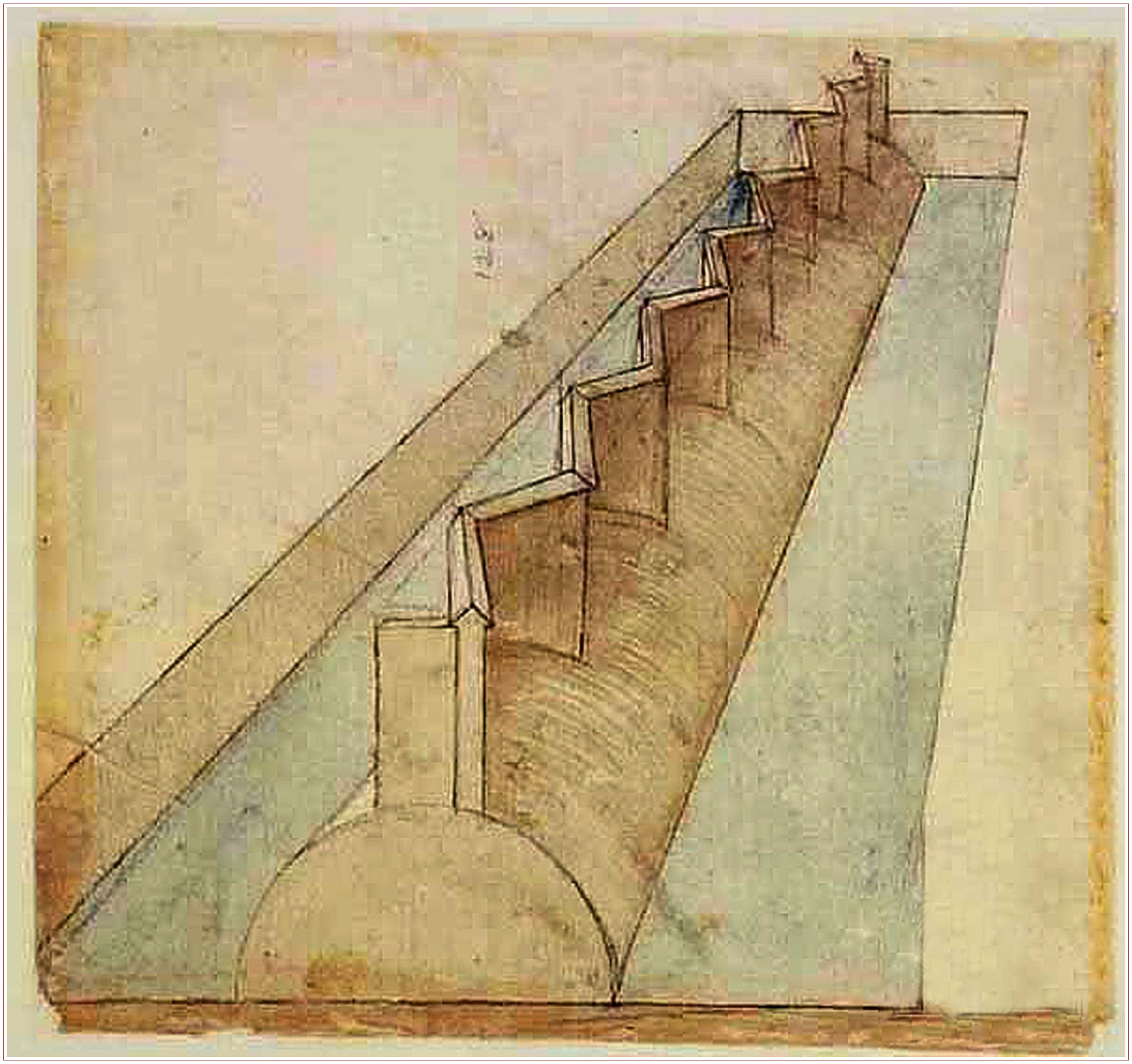


Codex Atlanticus
Leonardo da Vinci

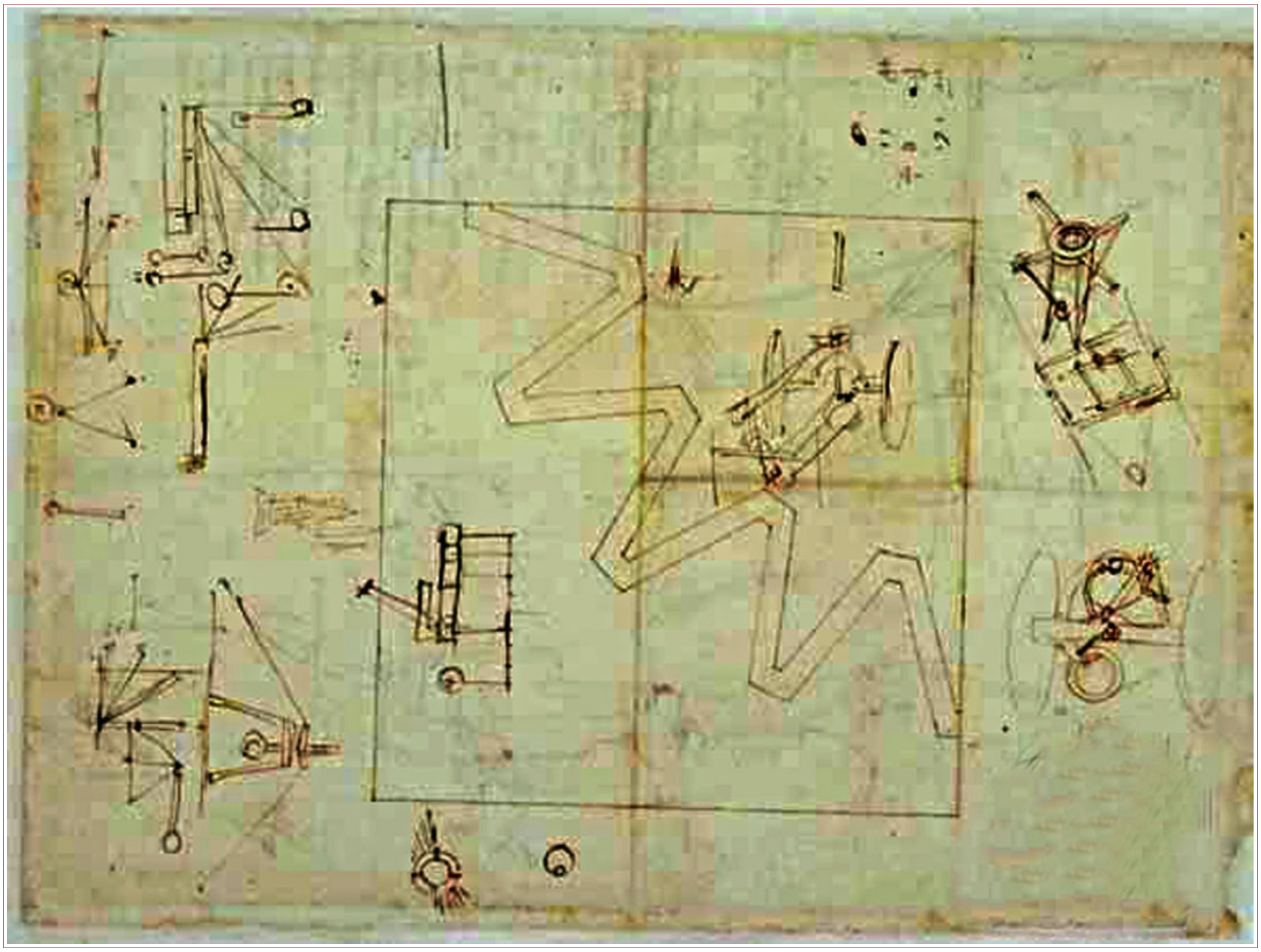
Codex Atlanticus
Leonardo da Vinci



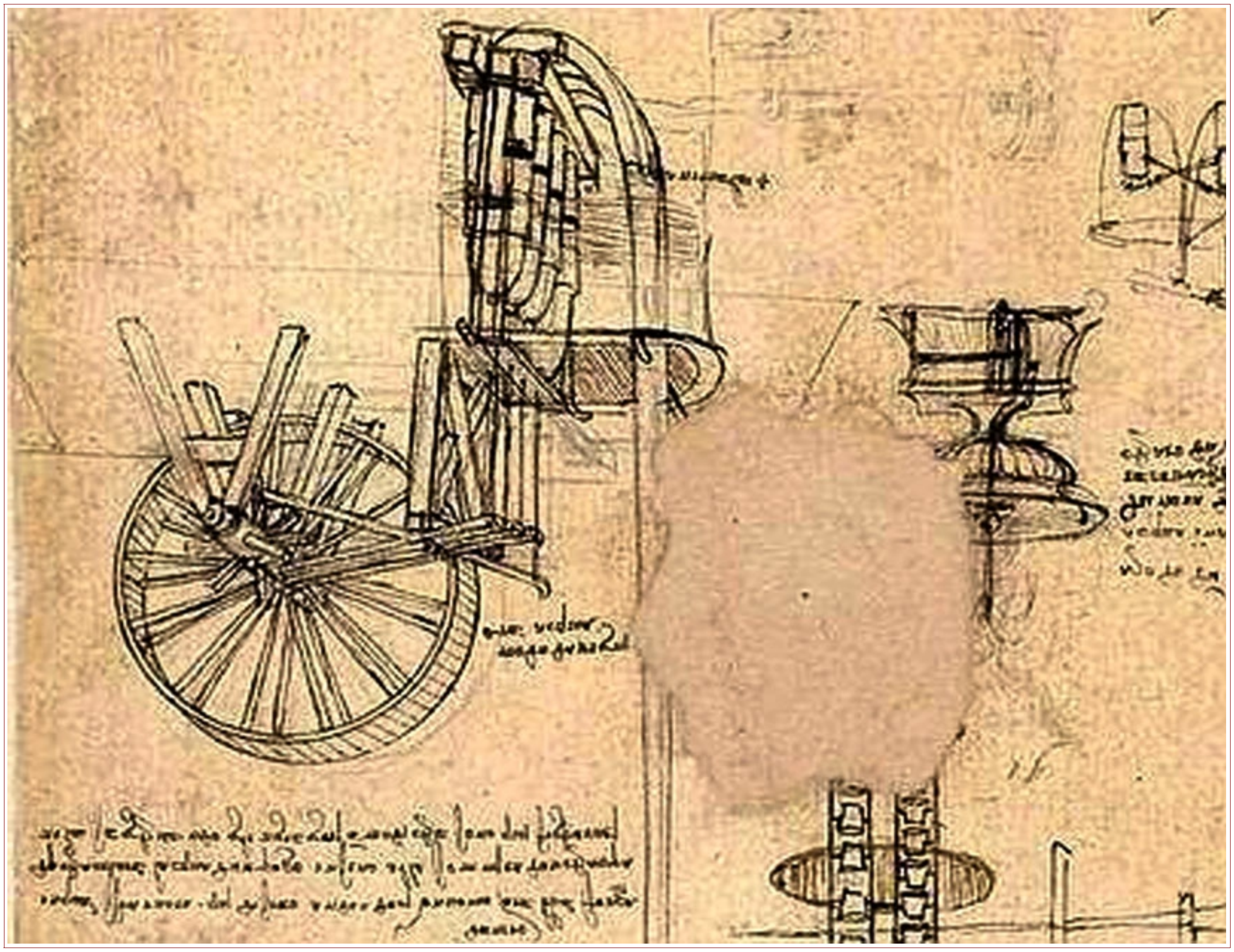
Codex Atlanticus
Leonardo da Vinci



Codex Atlanticus
Leonardo da Vinci



Codex Atlanticus (Page 305)
Leonardo da Vinci

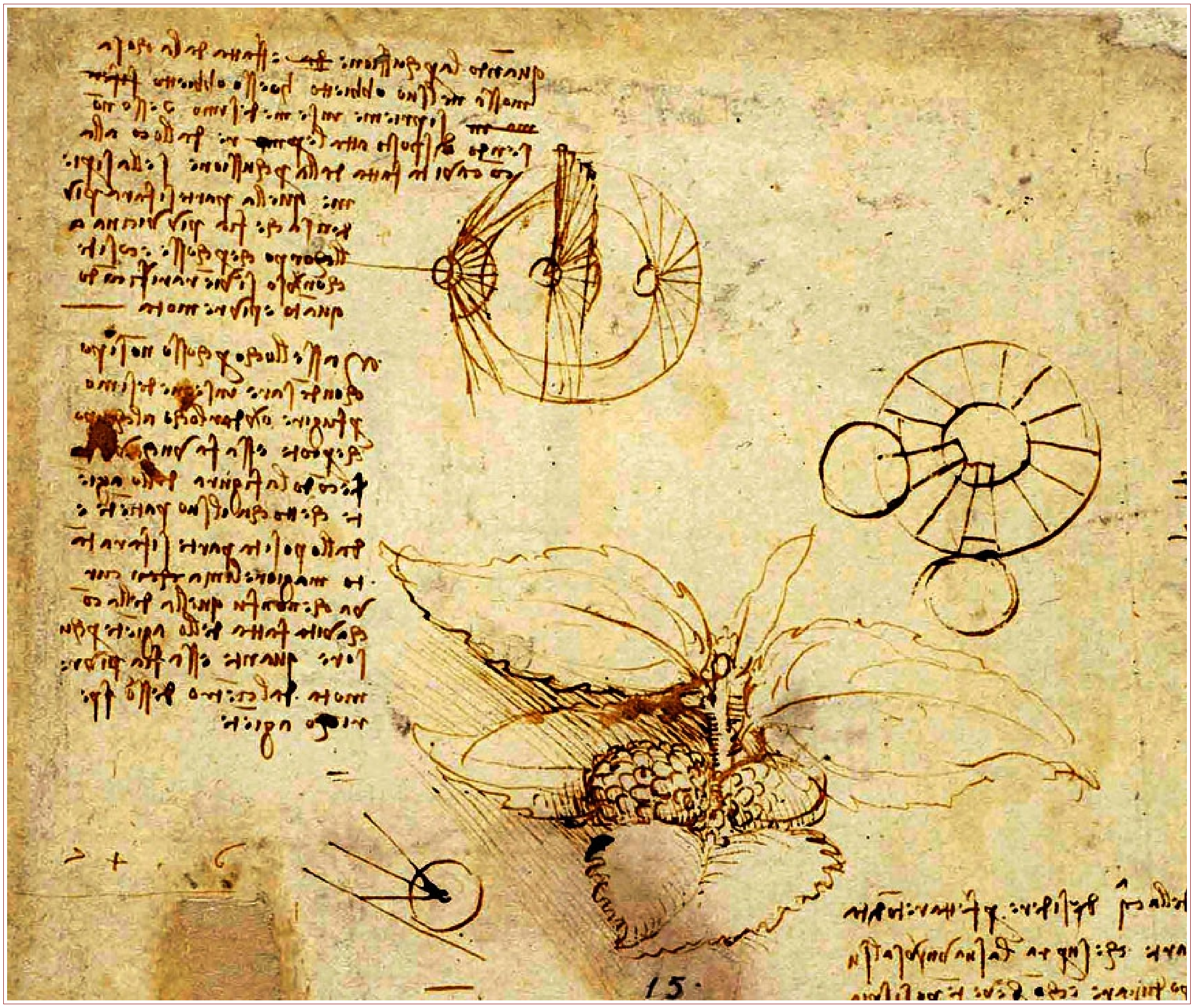


Codex Atlanticus
Leonardo da Vinci

Leonardo da Vinci

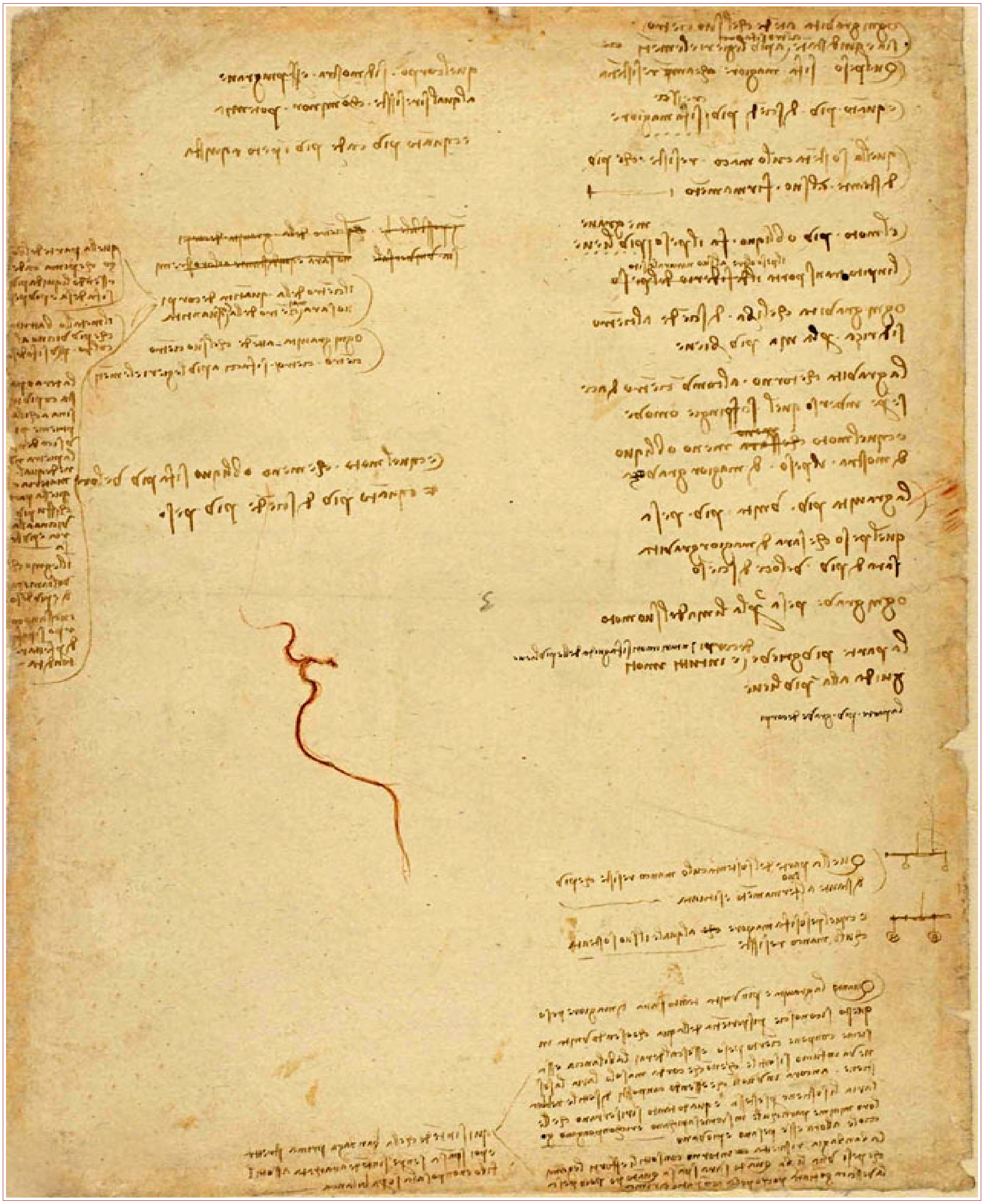
Codex Atlanticus
Leonardo da Vinci

Asphodelus Kwiat / Flower
Leonardo da Vinci

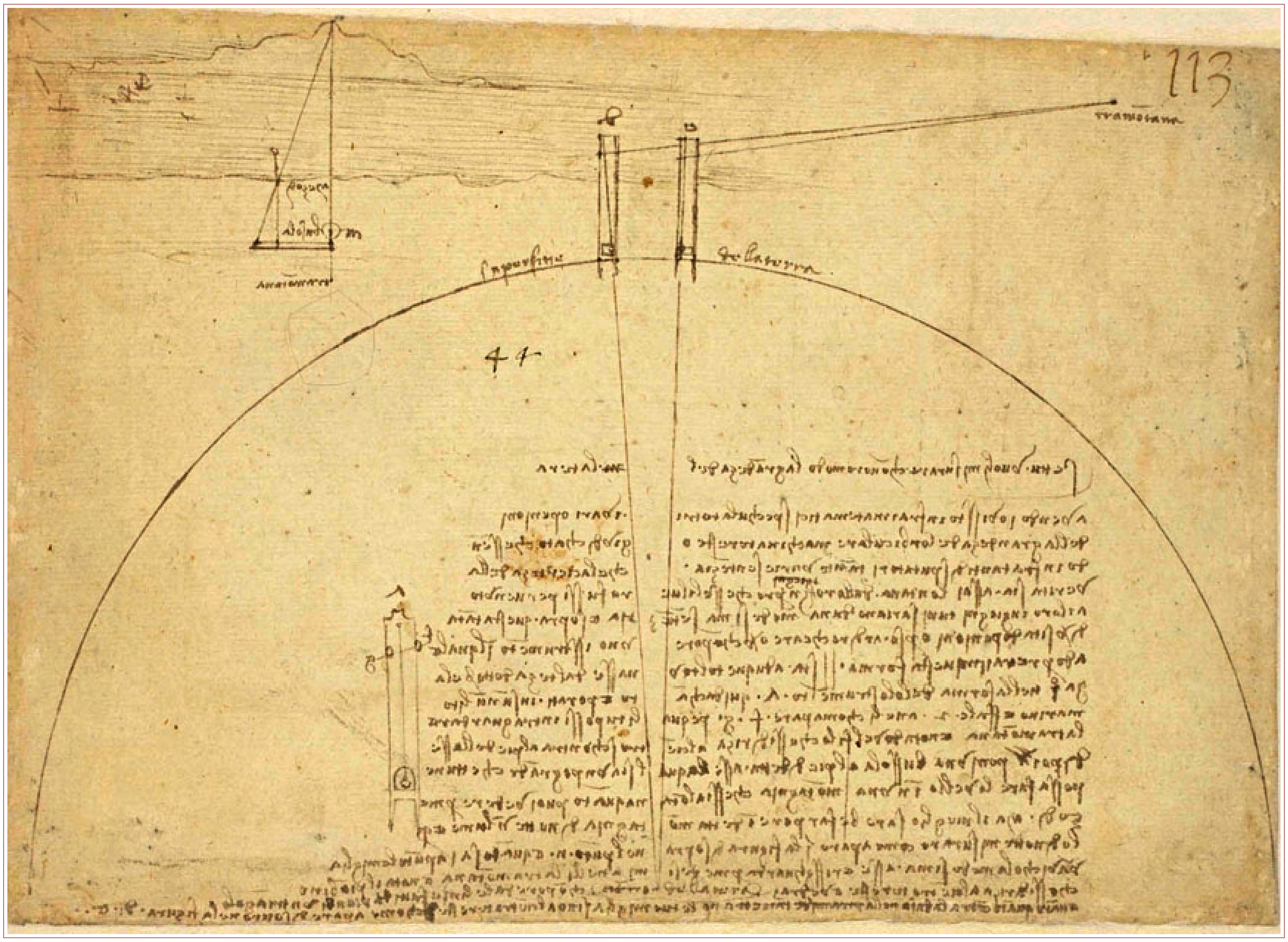


Leonardo da Vinci

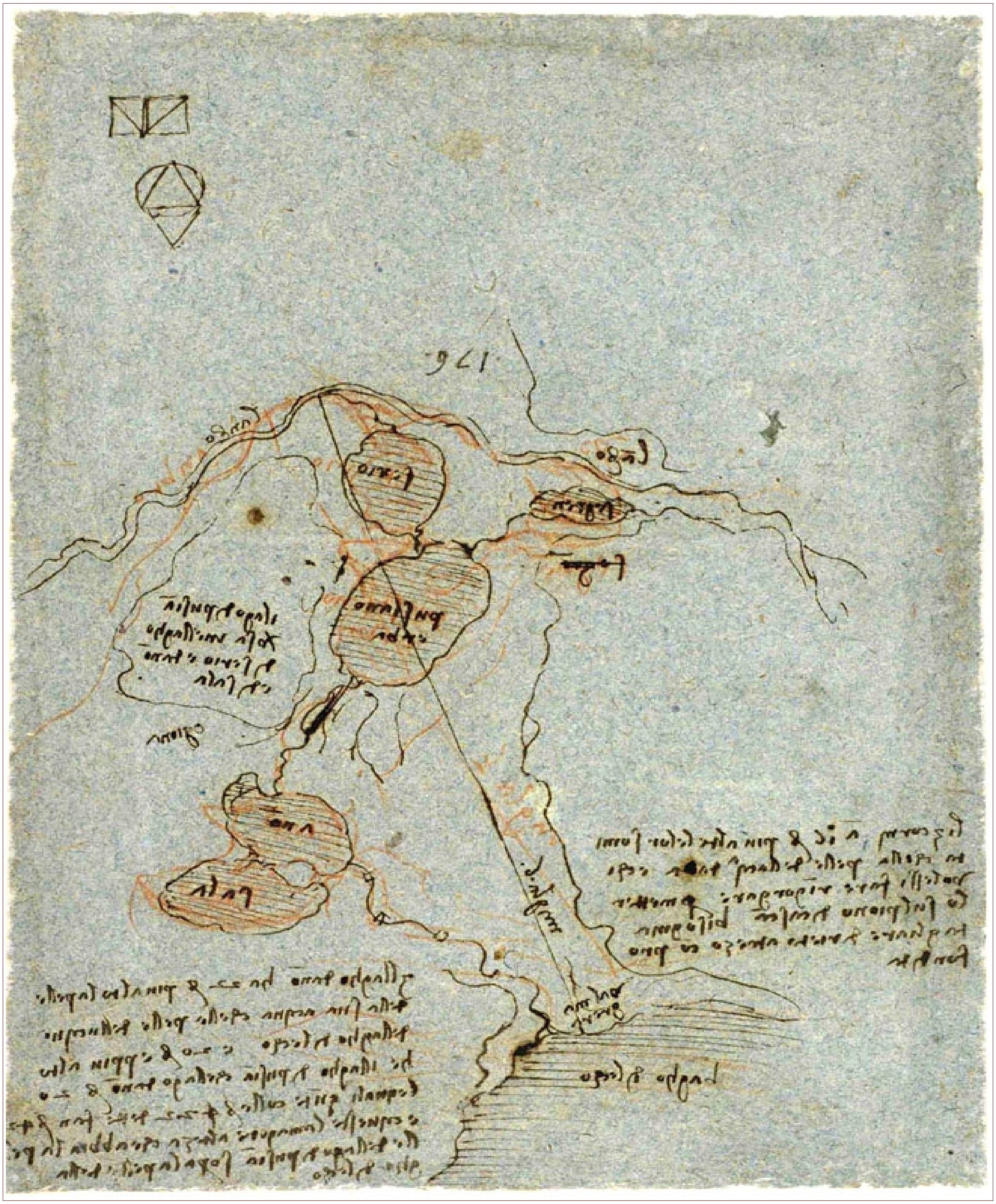
Maszyna do produkcji zlotej folii.
Machine for producing gold foil and shearing machine.
Leonardo da Vinci



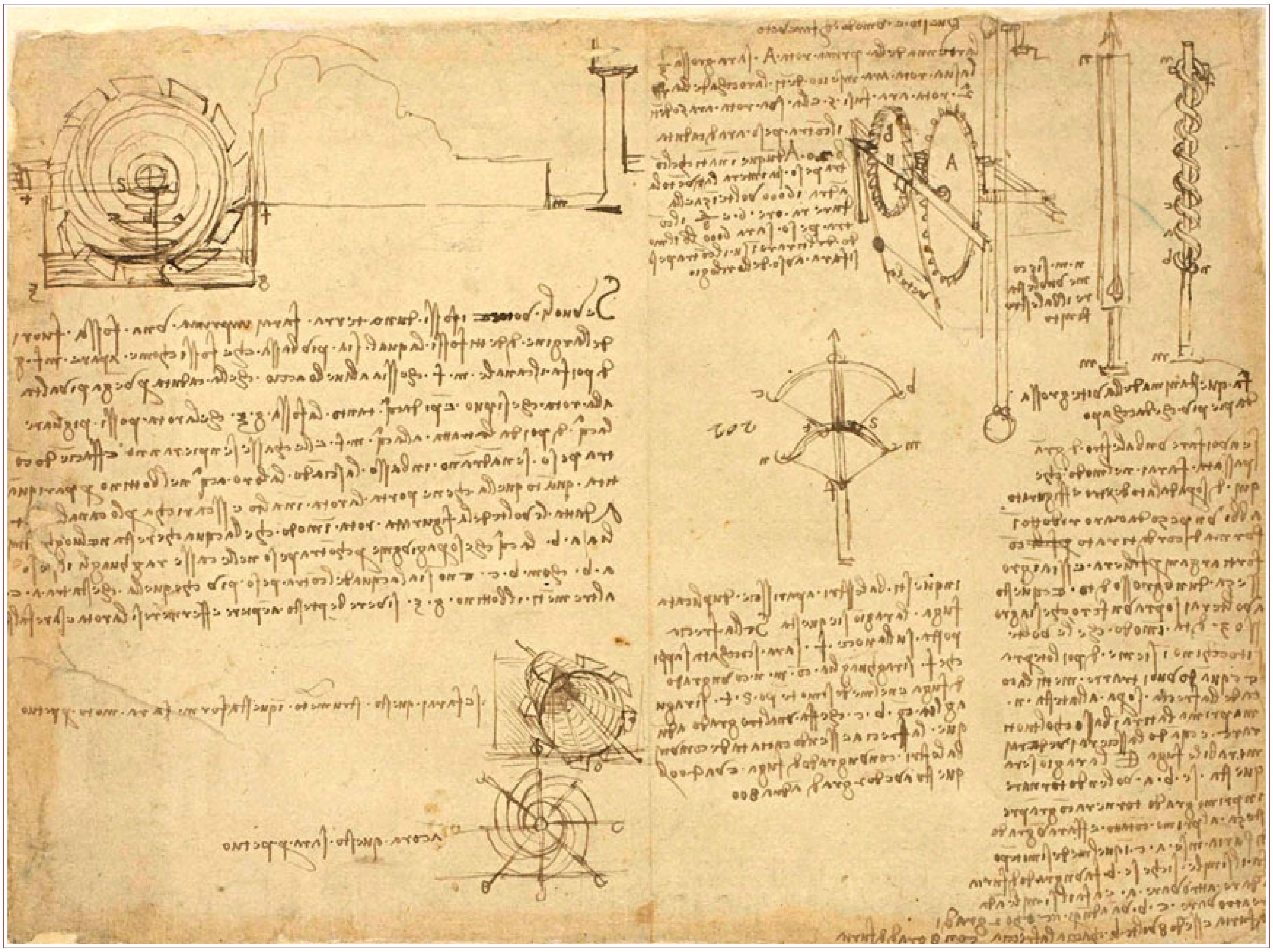
Statystyka, hydraulika, fizyka.
Statistics, hydraulics and physics.
Leonardo da Vinci



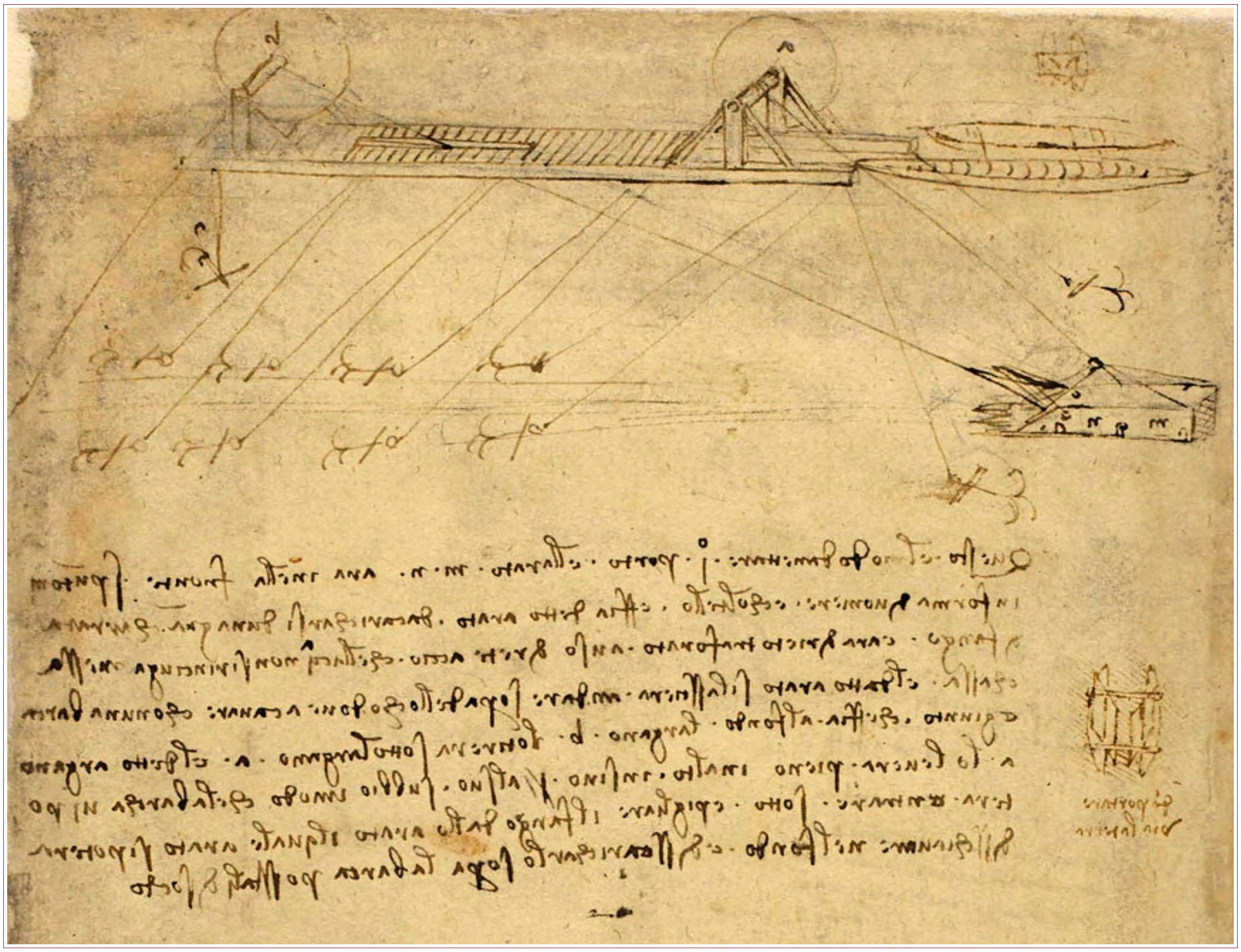
Metoda Mierzenia promienia ziemi.
Device to measure Earth's radius.
Leonardo da Vinci



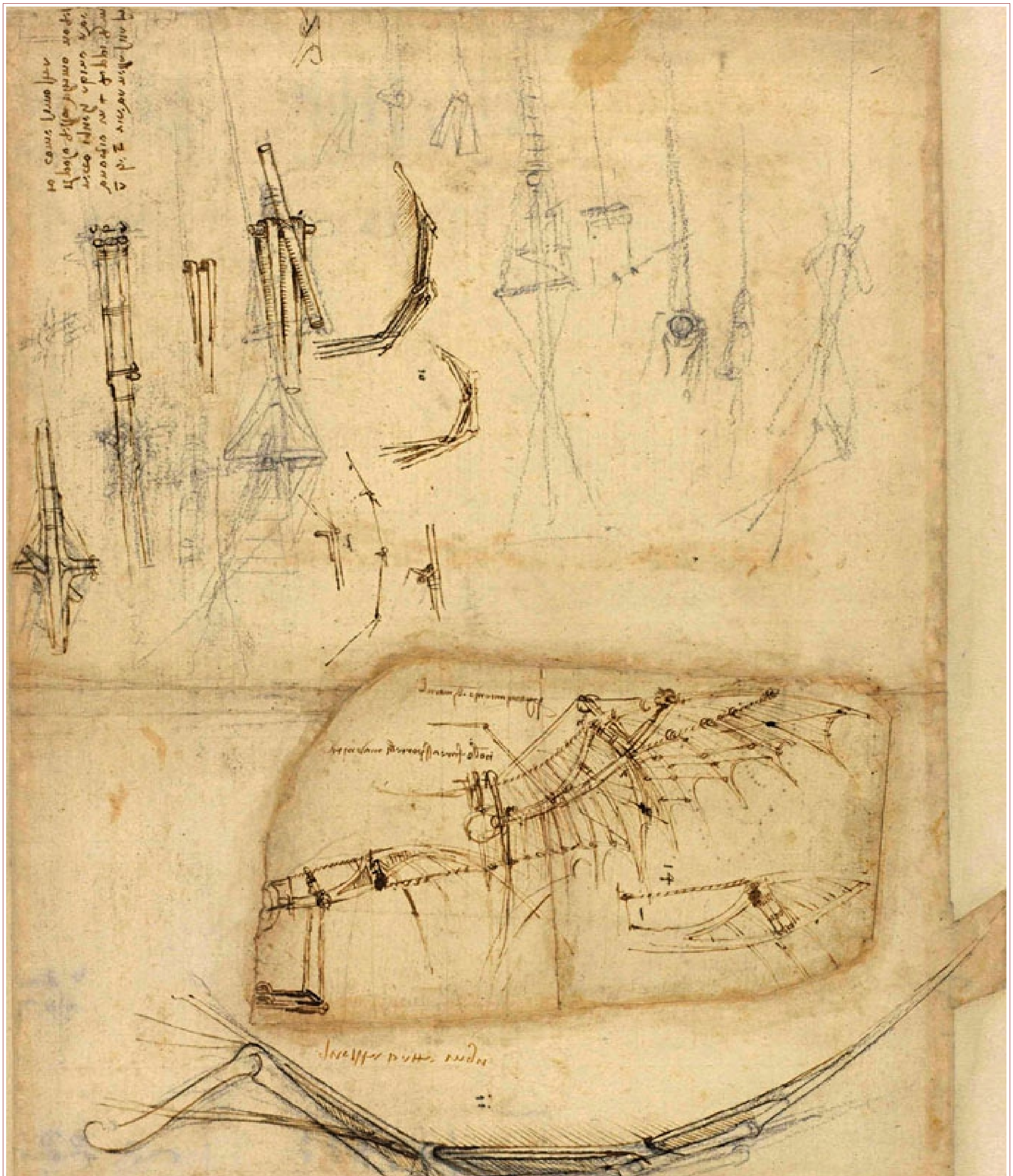
Mapa Lombardii
Map of Lombardy
Leonardo da Vinci



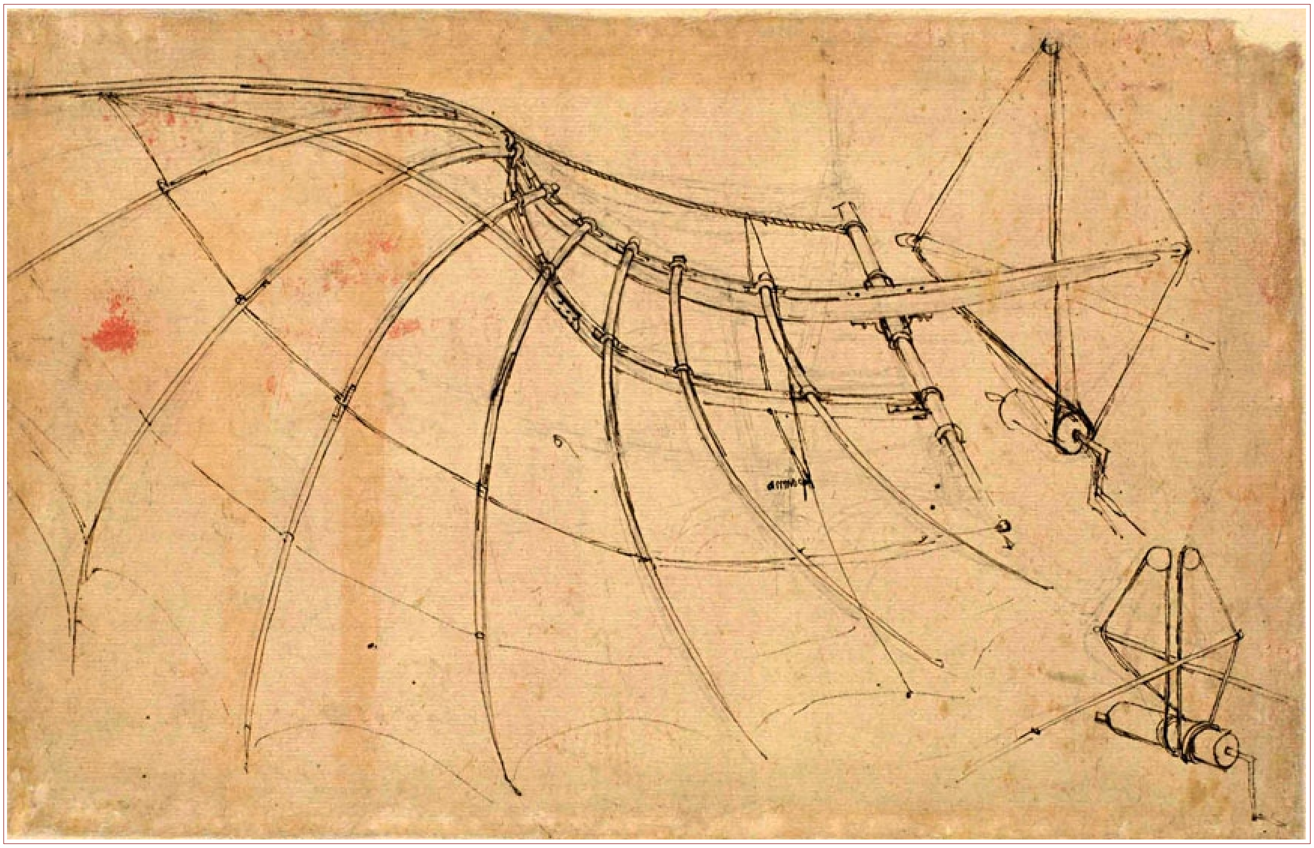
Mlynskie Kolo
Water Wheel
Leonardo da Vinci



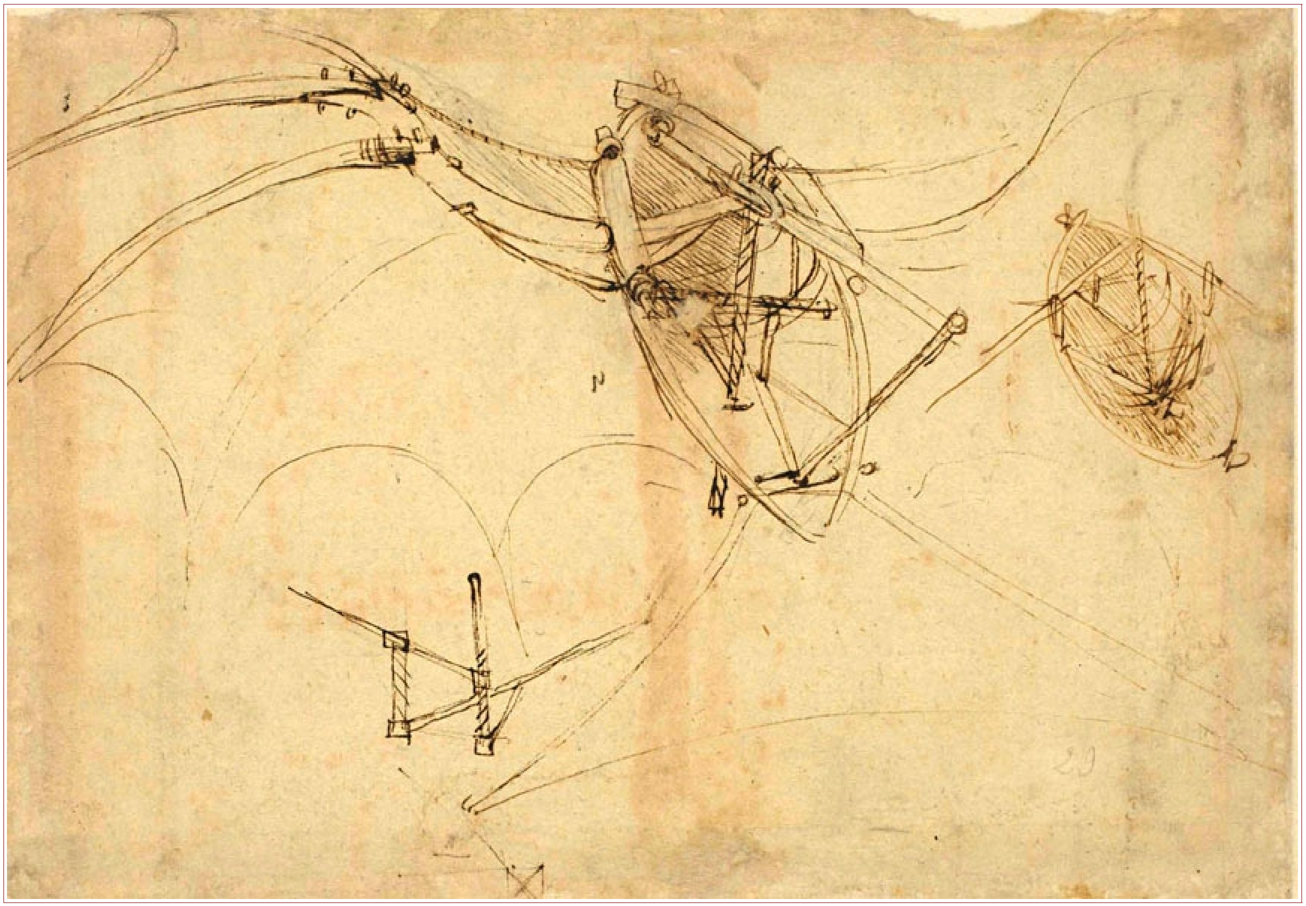
System zyszczenia portu, dna.
Cleaning harbor system.
Leonardo da Vinci



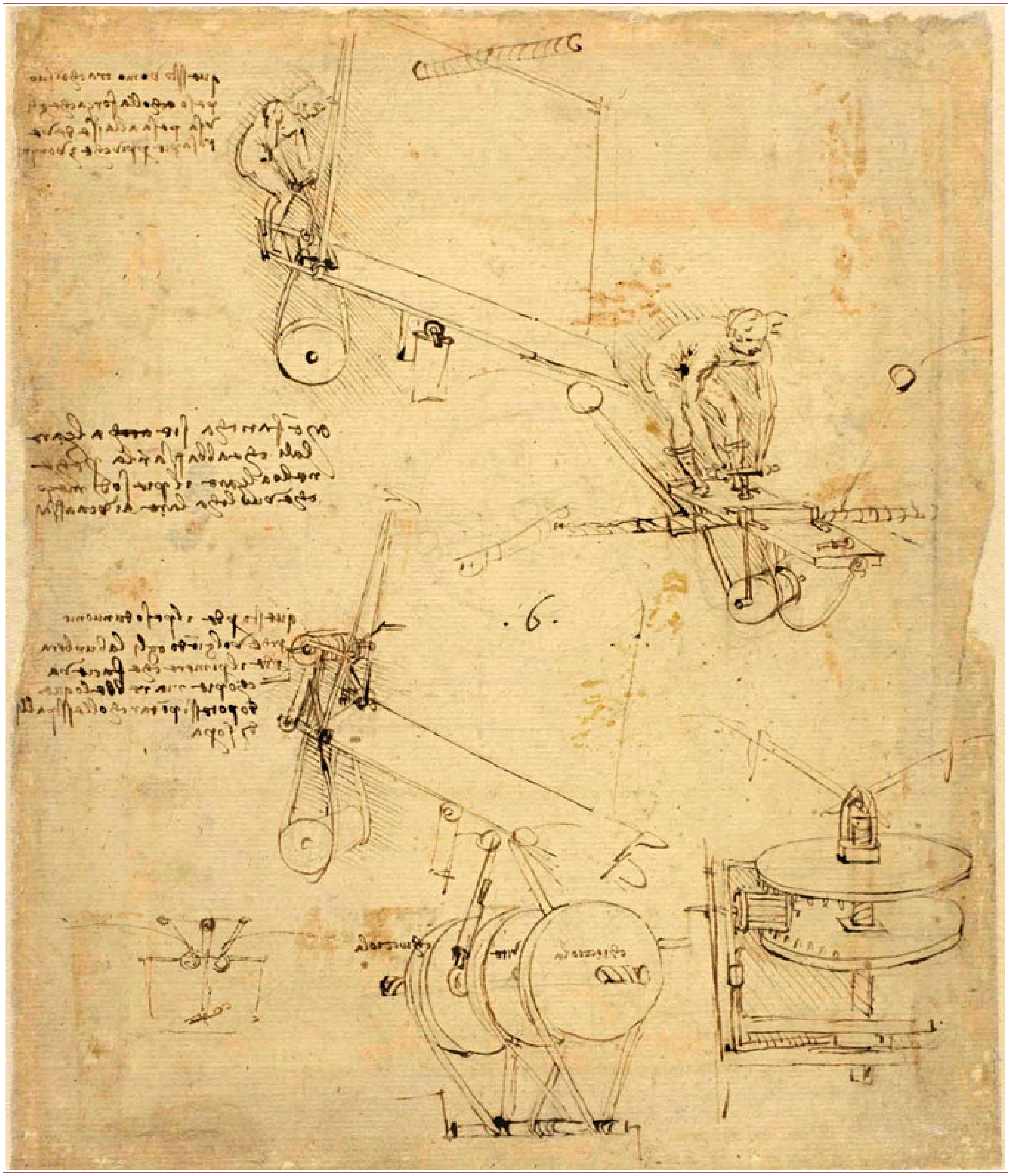
Projekt mechanicznego skrzydla.
Mechnical wing projects.
Leonardo da Vinci.



Projekt mechanicznego skrzydla.
Mechnical wing projects.
Leonardo da Vinci.

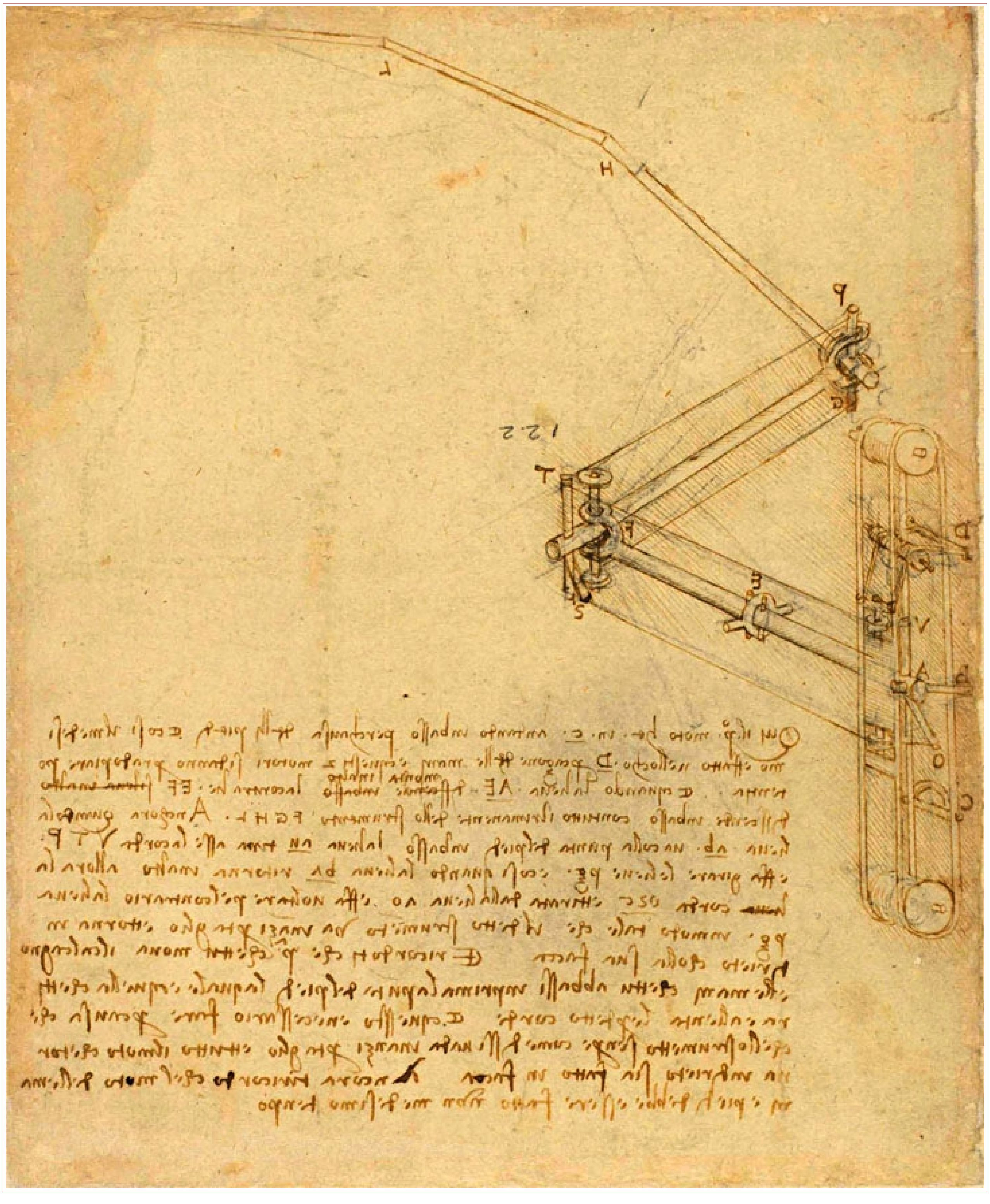


Projekt maszyny latajacej.
Flying machine project.
Leonardo da Vinci.



Projekt maszyny latajacej.
Flying machine project.
Leonardo da Vinci.

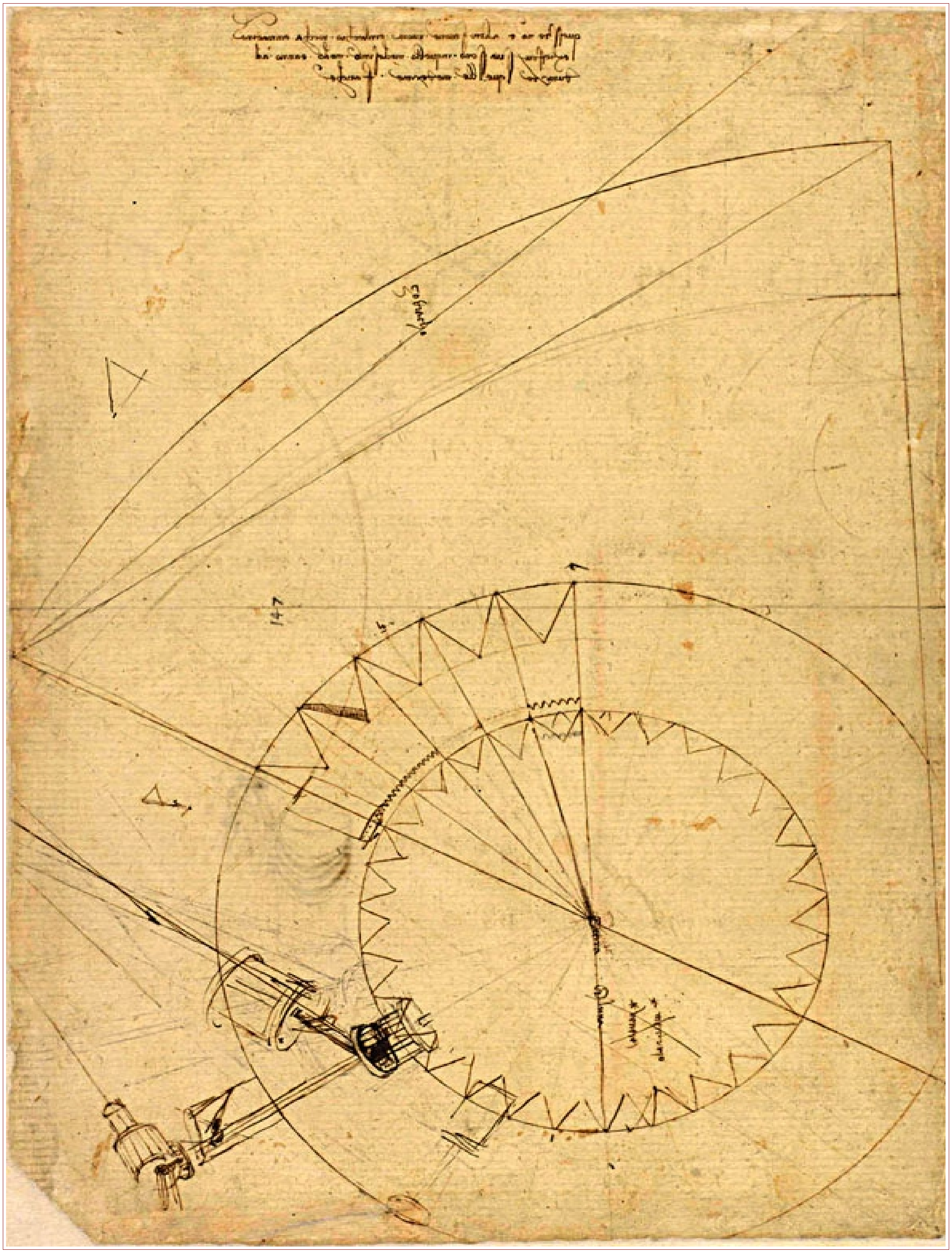
Napęd maszyny latającej.
Propulsion system for flying machine.
Leonrado da Vinci.



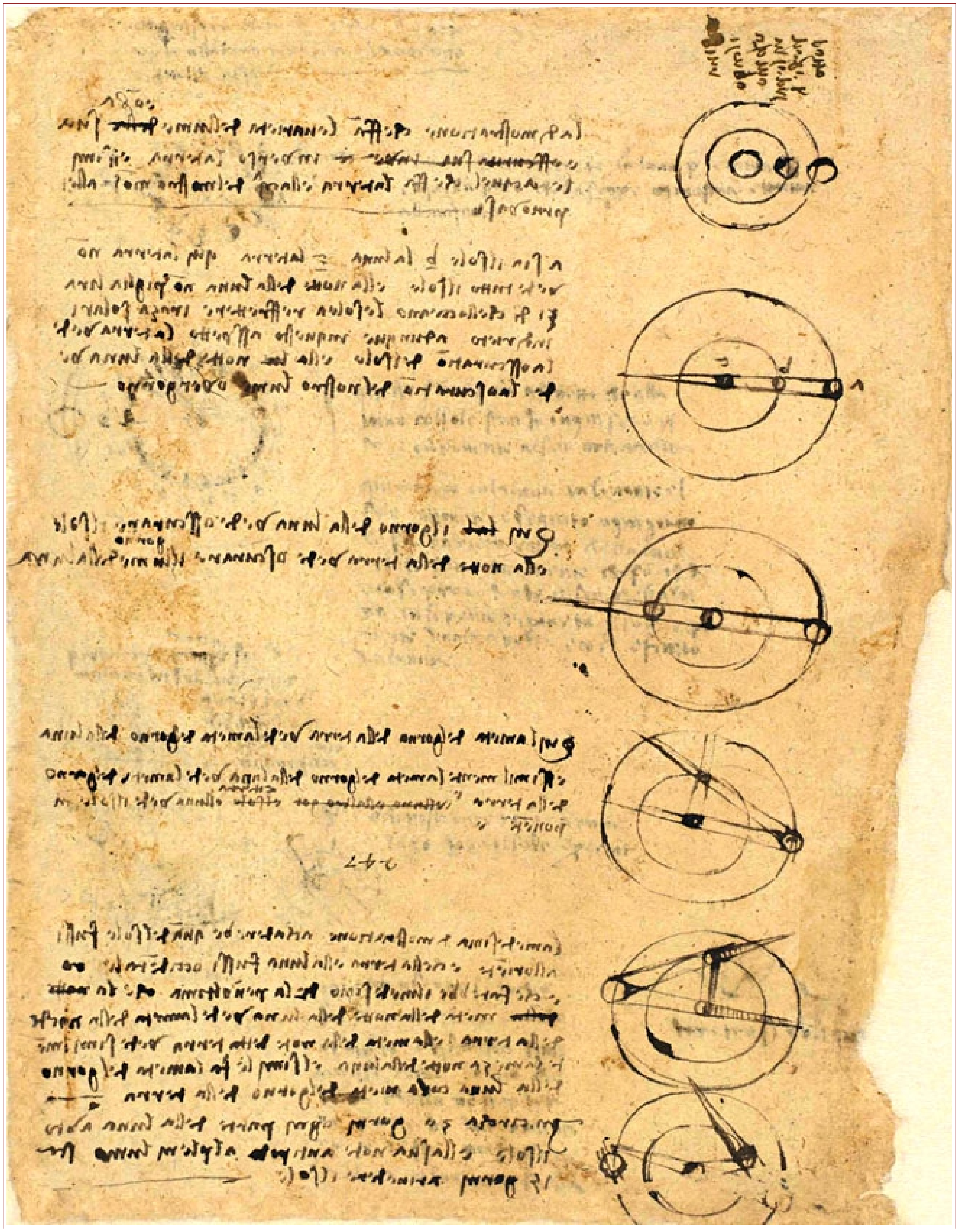
Napęd maszyny latającej.
Propulsion system for flying machine.
Leonrado da Vinci.

Mapa Brombana.
Map of Brombana.
Leonardo da Vinci.

Mapa Doliny Chiana.
Map Chiana Valley.
Leonardo da Vinci.

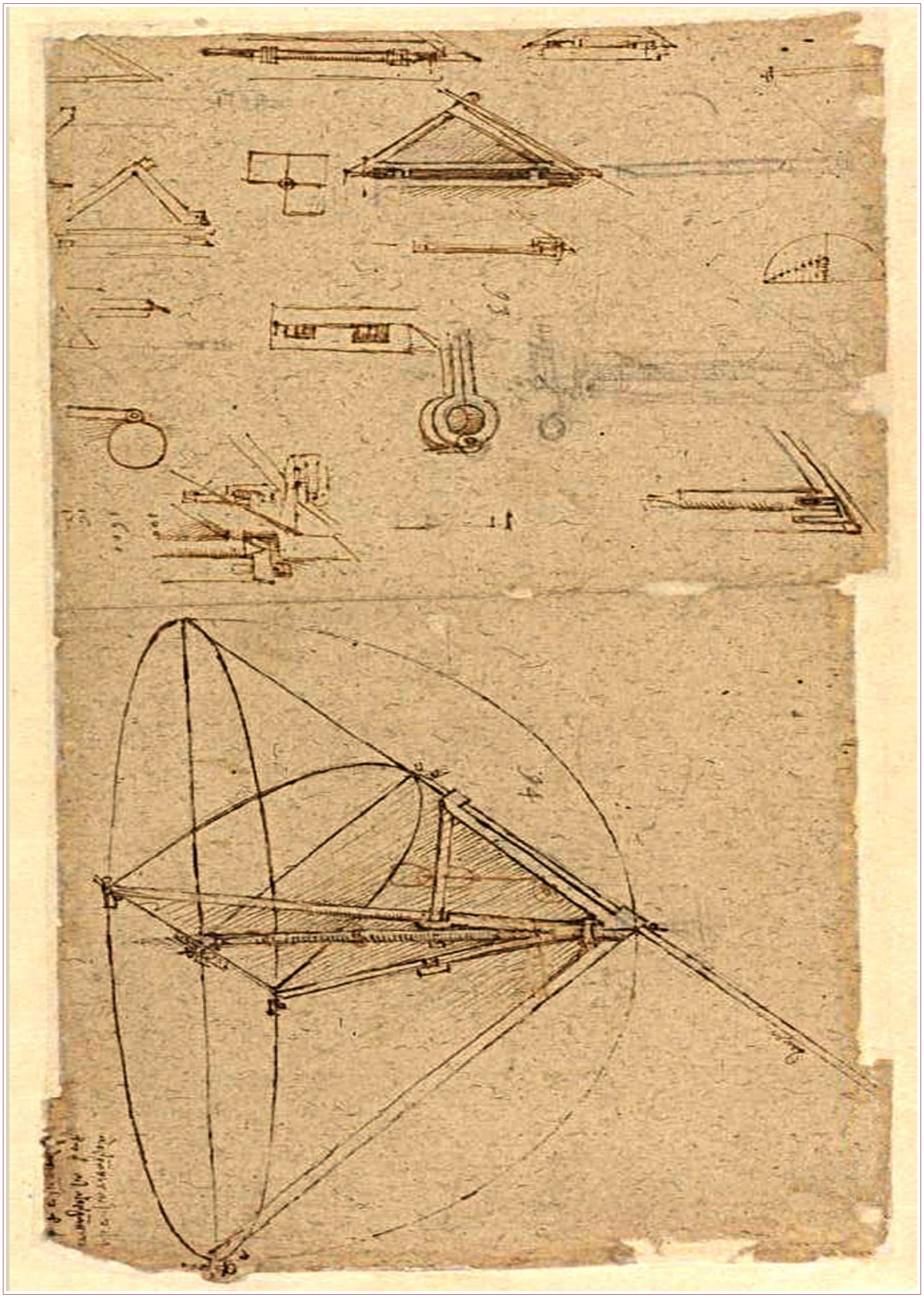


Earth, Moon Venus, Mercury.
Earth. Moon, Venus Mercury.
Leonardo da Vinci.

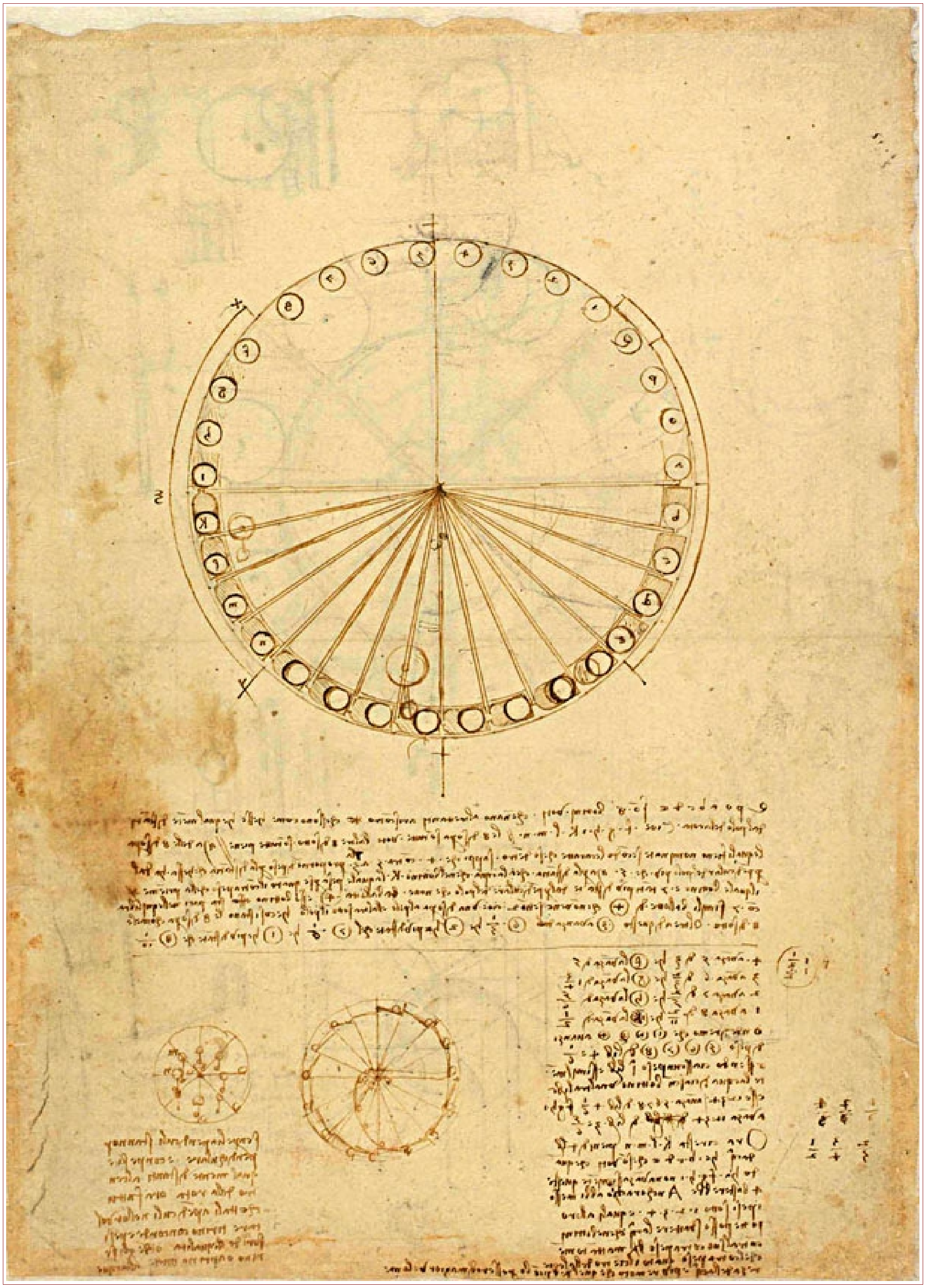


Orbity Ziemii, Ksiezyca, Slonca.
Orbits of Earth, Moon and the Sun.
Leonardo da Vinci.

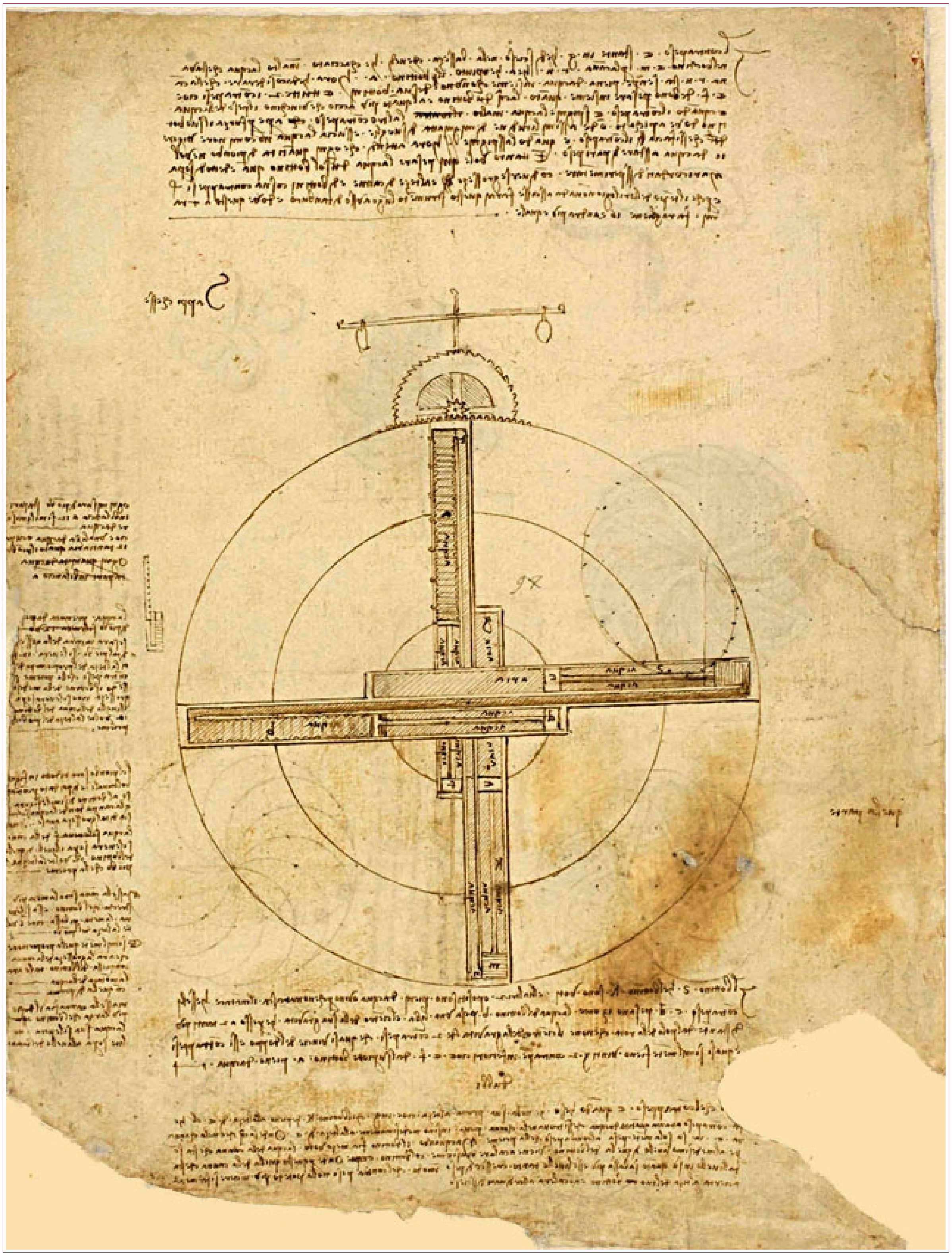
Orbita Księżyca wokół Ziemi,
Moon and Eight Phases around the Earth.
Leonardo da Vinci.



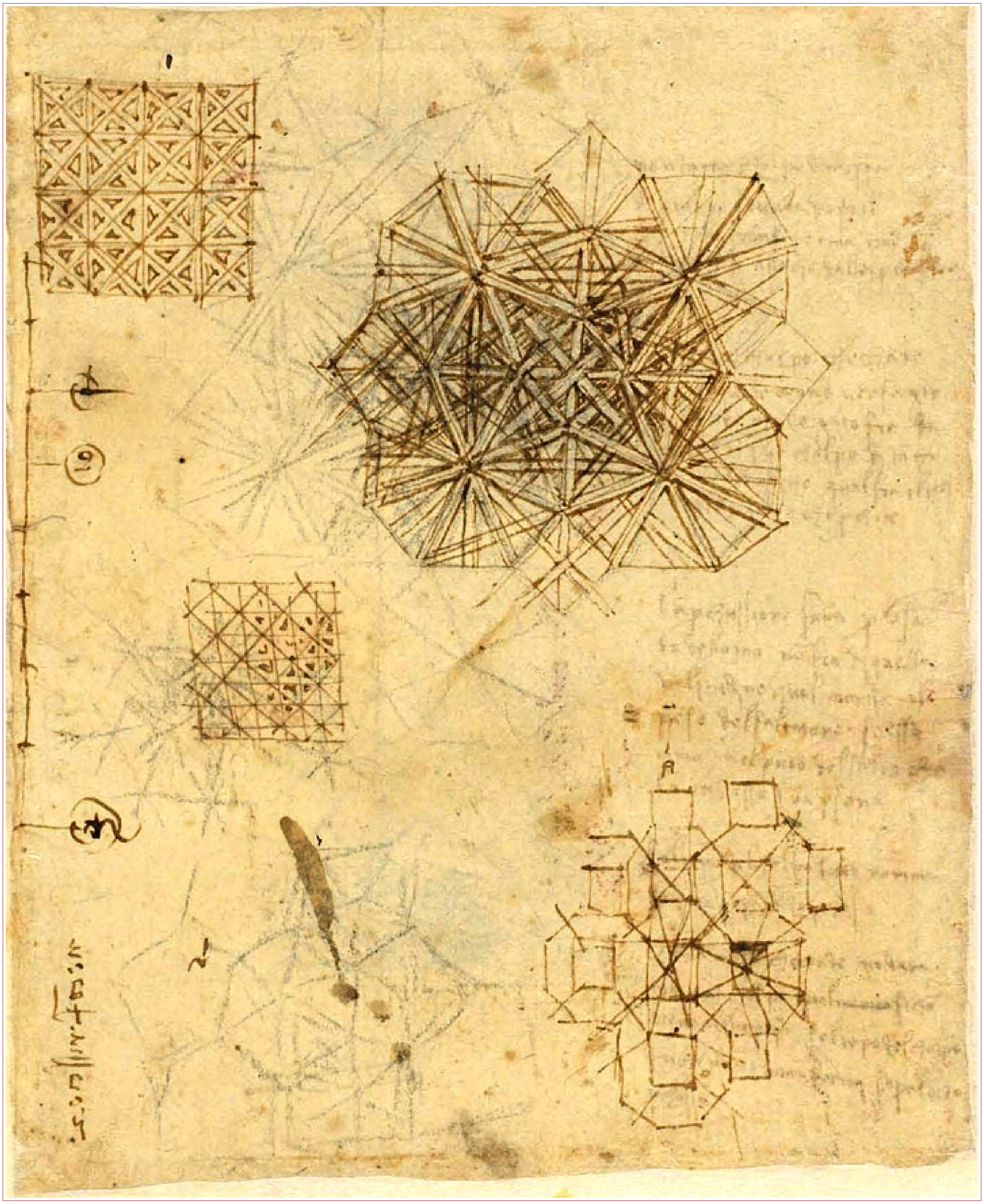
Kompas Paraboliczny i inne projekty.
Parabolic Compass and other designs.
Leonardo da Vinci.



Perpetuum Mobile
Perpetual Motion Design.
Leonardo da Vinci.

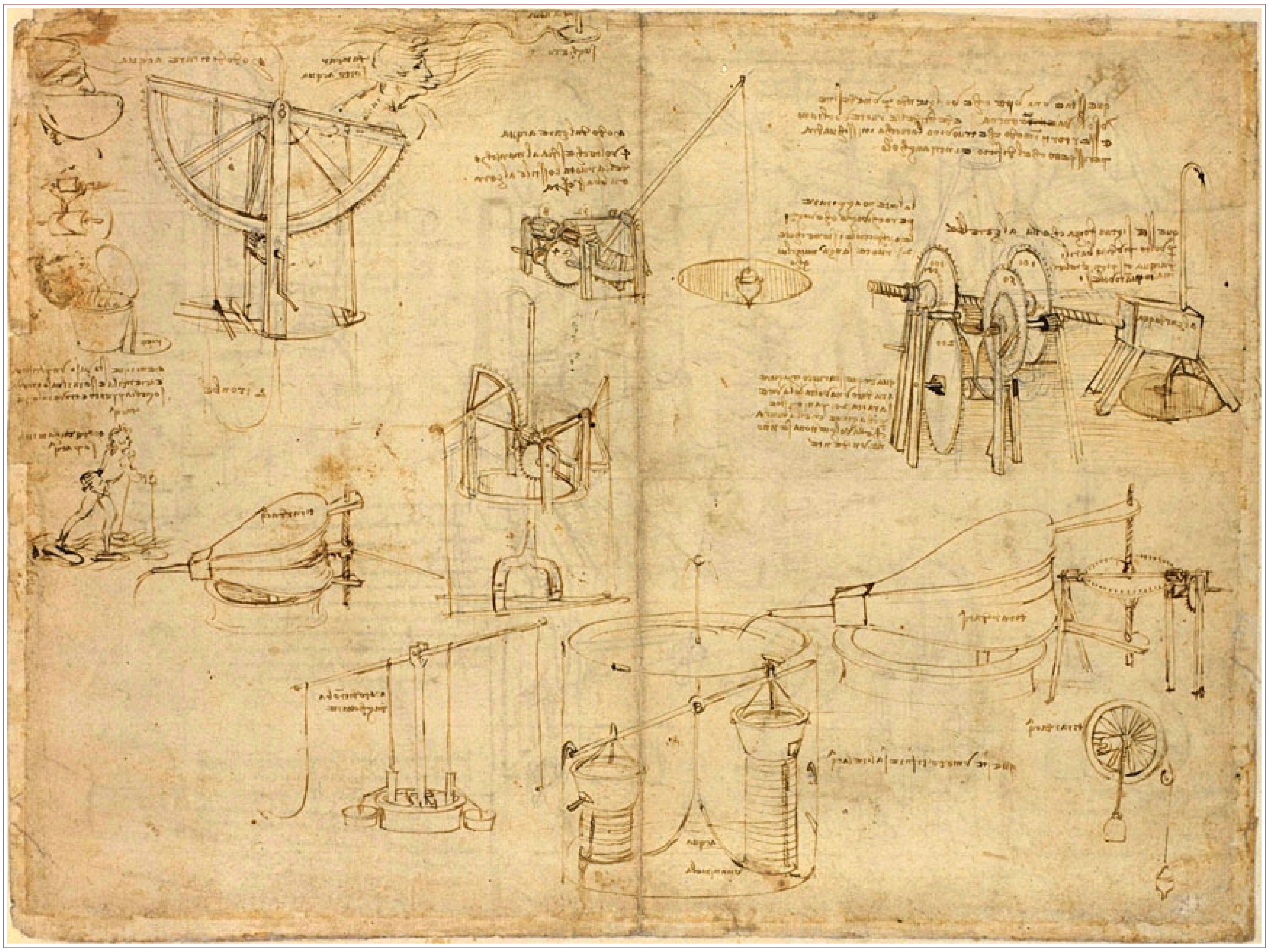


Perpetuum Mobile
P{erpetual Motion Design.
Leonardo da Vinci.



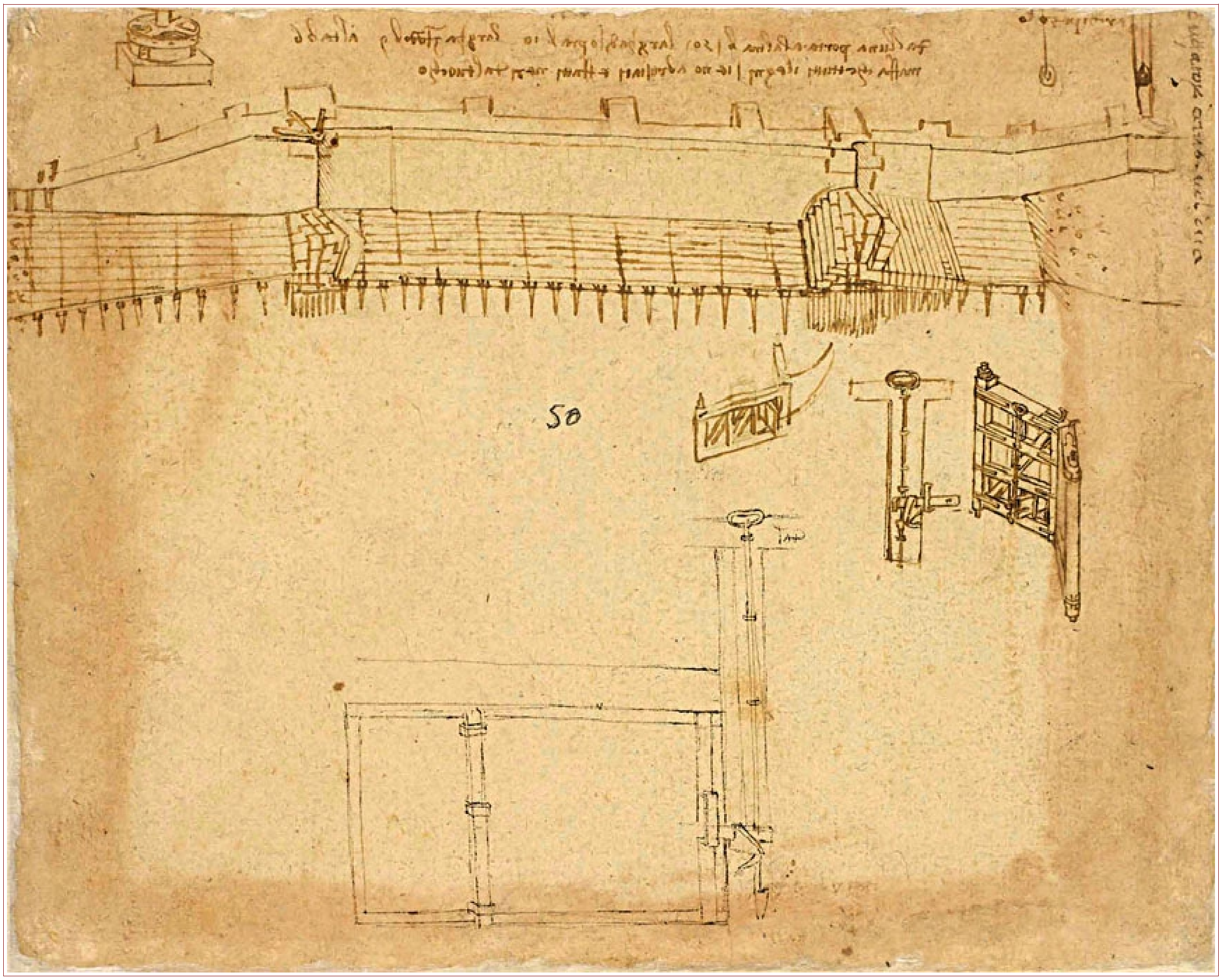
Formy Geometryczne.
Ornamental Drawings
Leonardo da Vinci.

Leonardo da Vinci

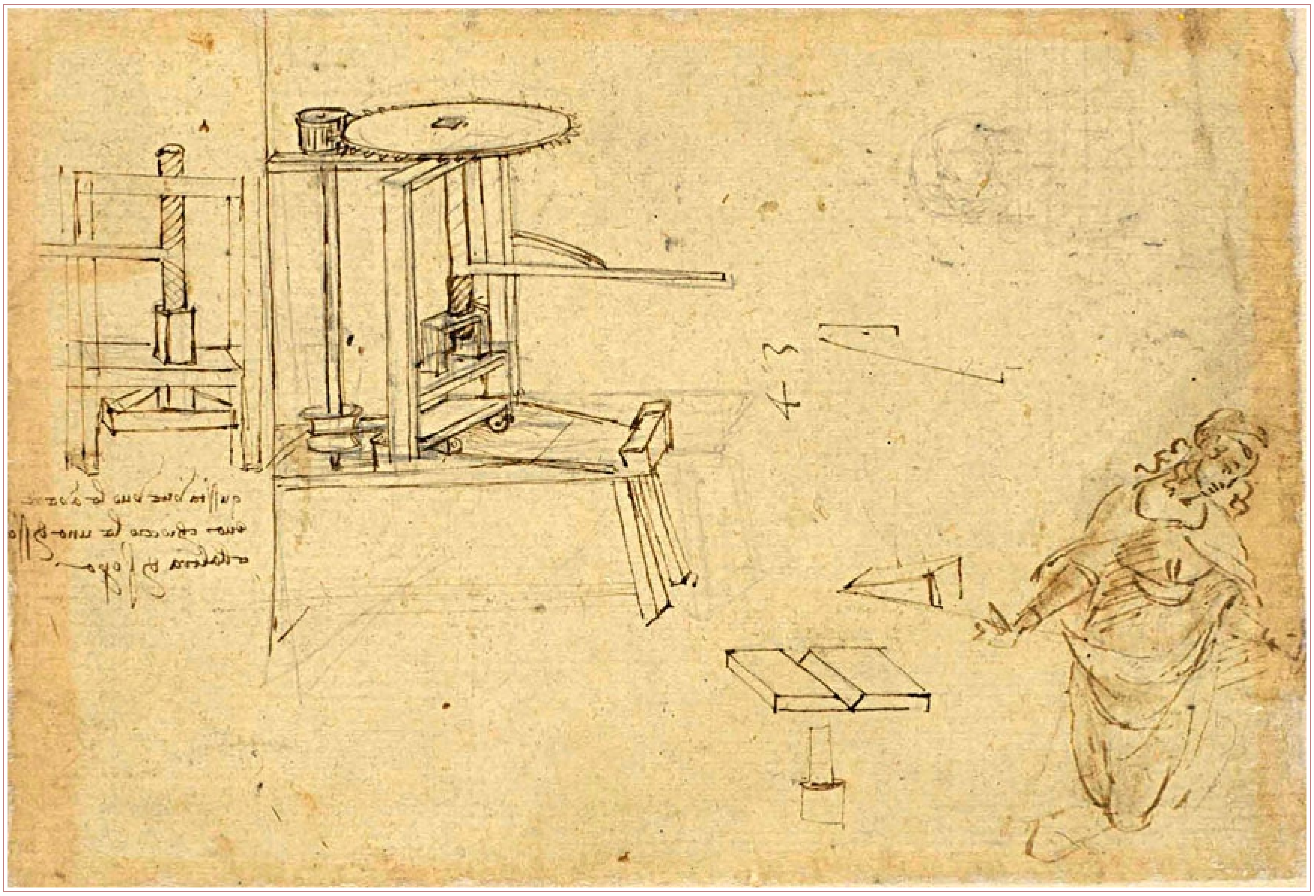


Leonardo da Vinci

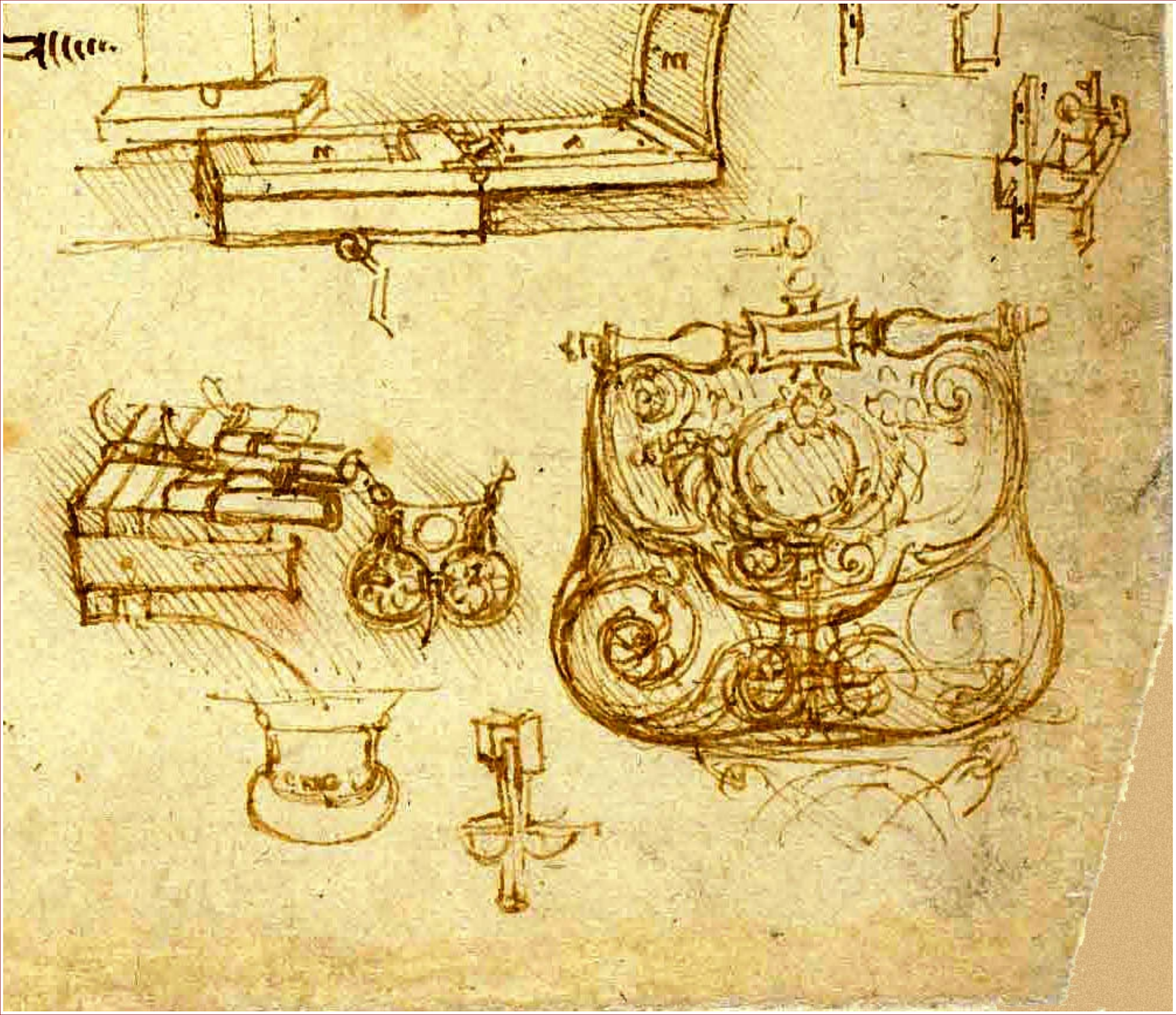
Leonardo da Vinci



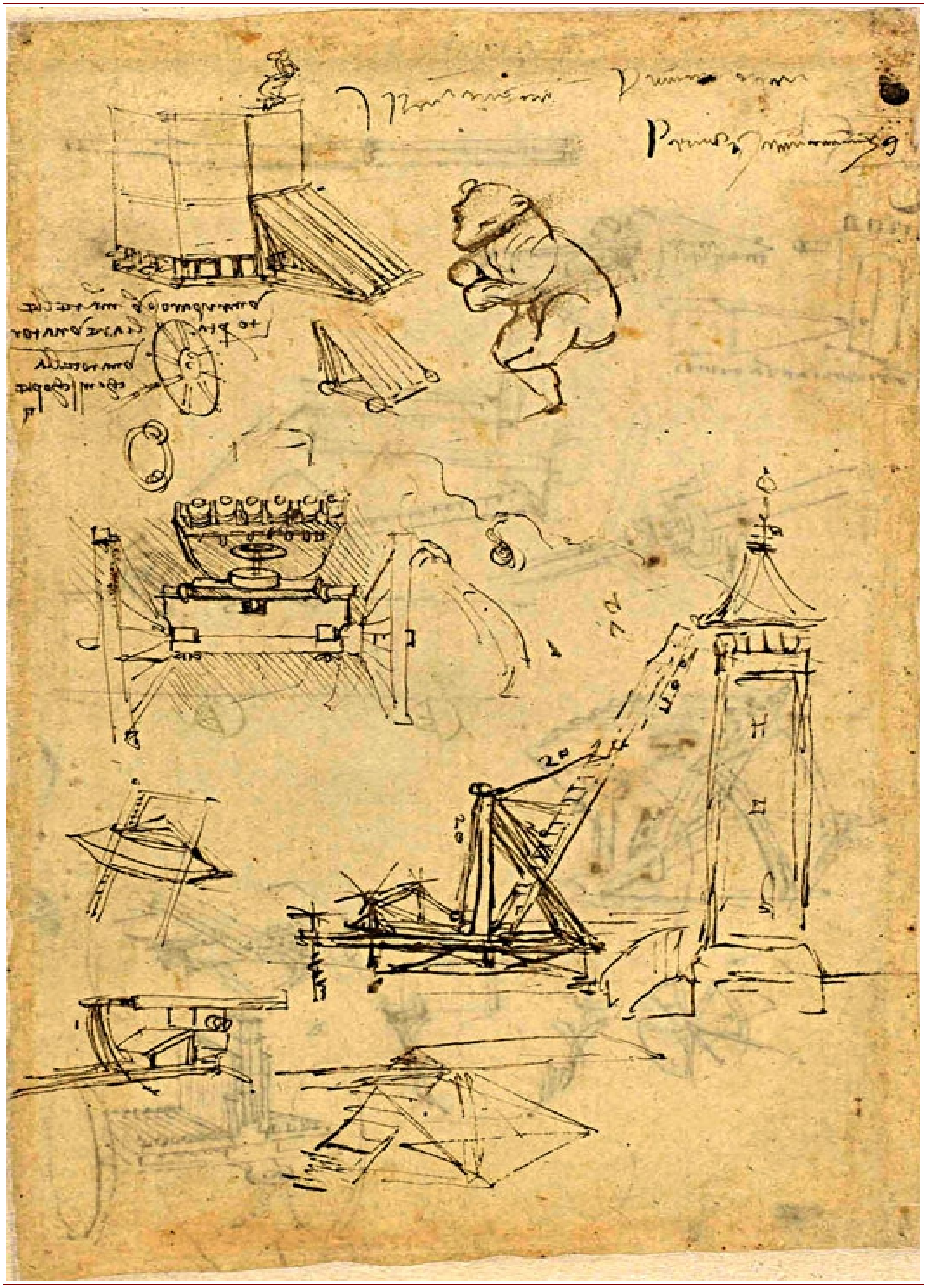
System Obronny
Defence System.
Leonardo da Vinci.



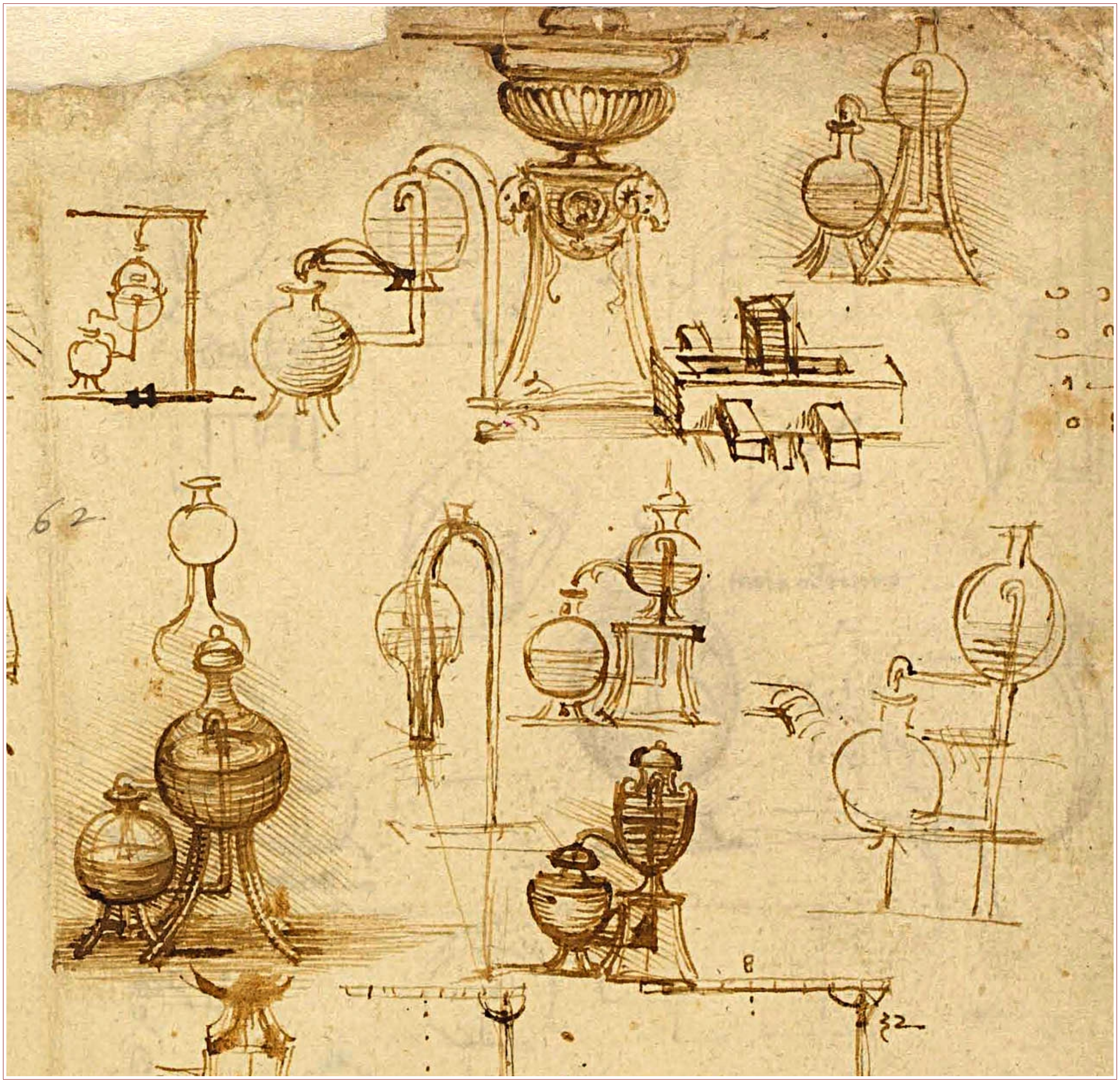
Maszyna Drukarska. Studium Damy.
Printing Press and Female Study.
Leonardo da Vinci



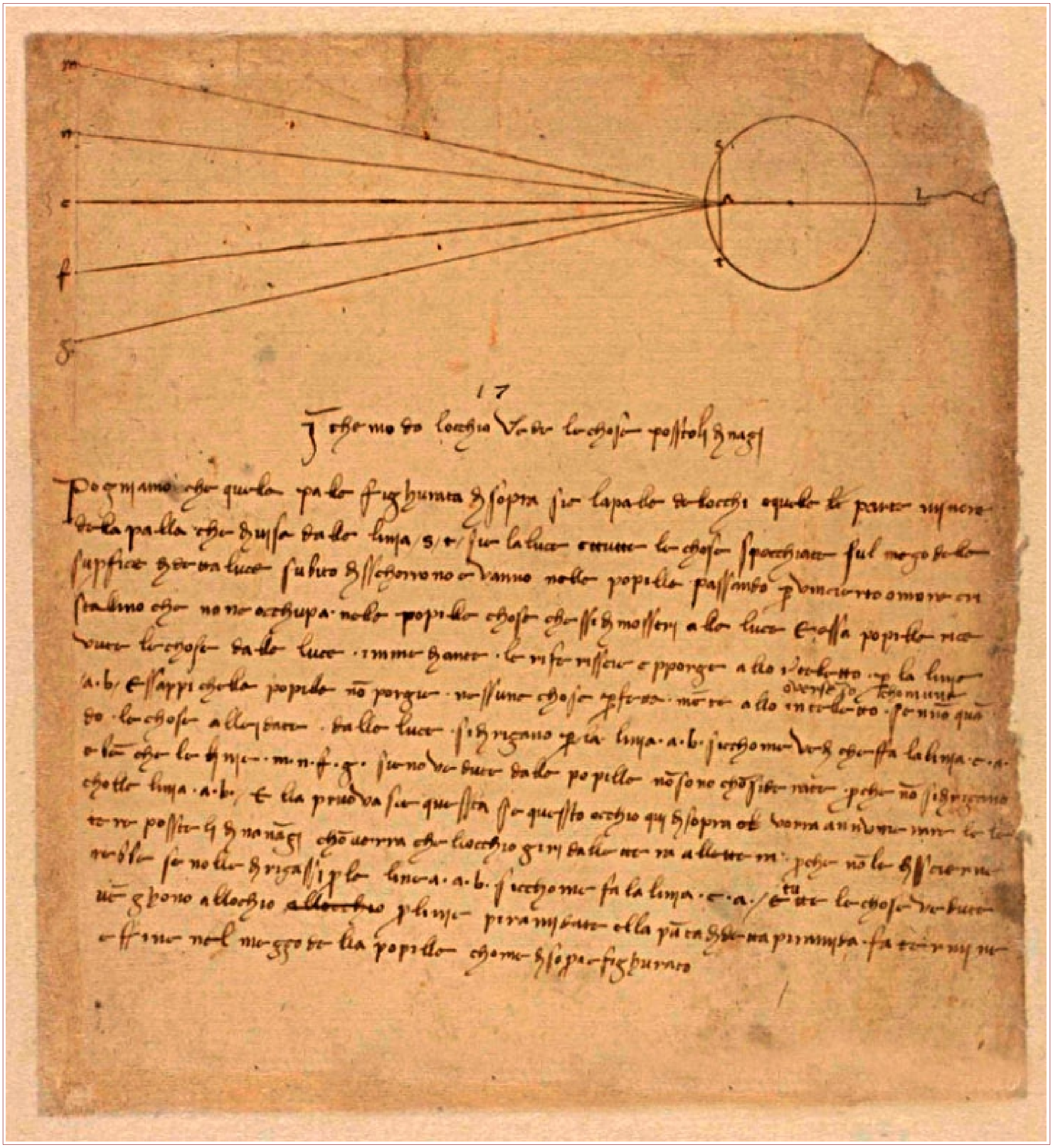
Projekt Torby.
Bag (purse) Design
Leonardo da Vinci.



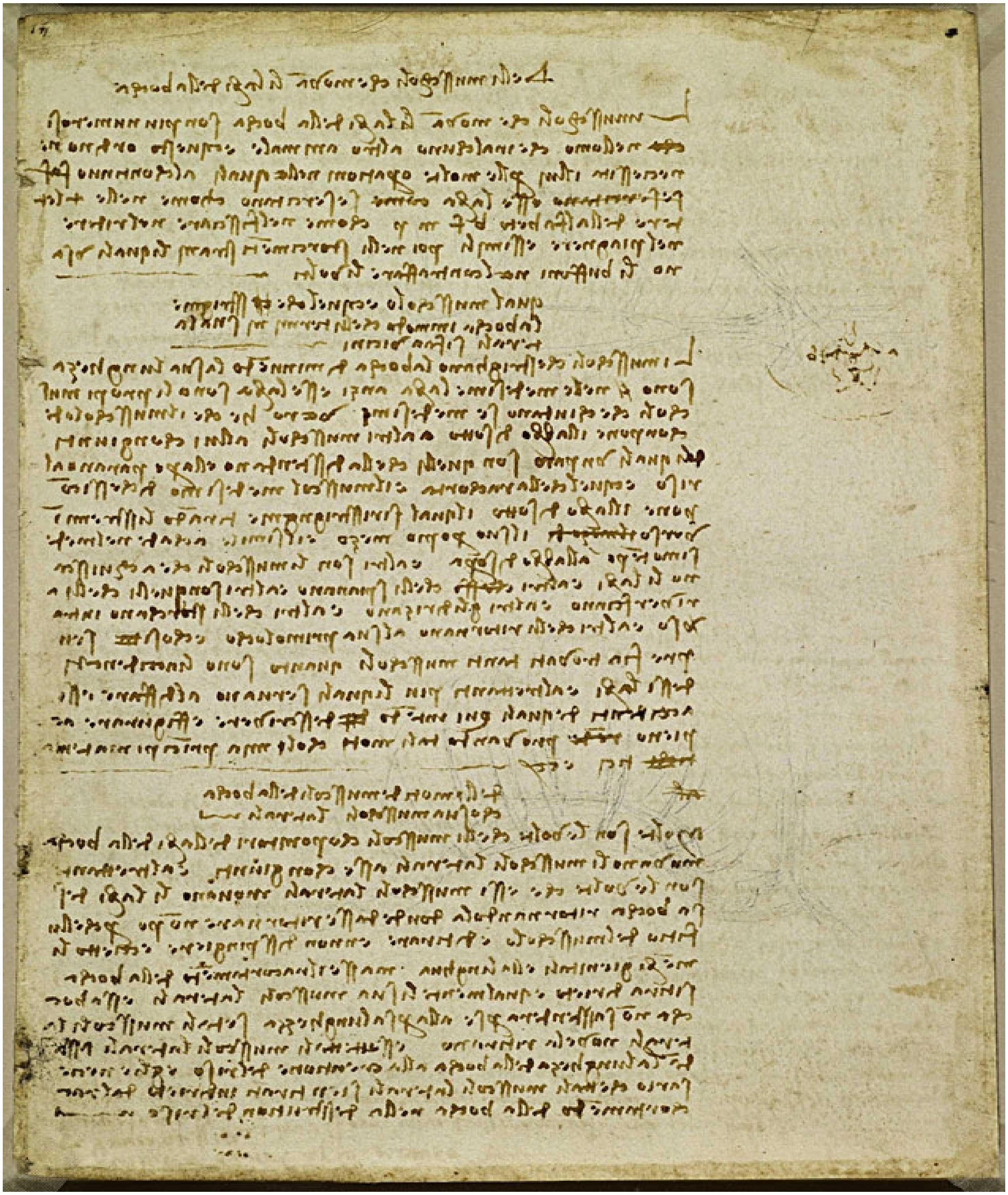
Leonardo da Vinci



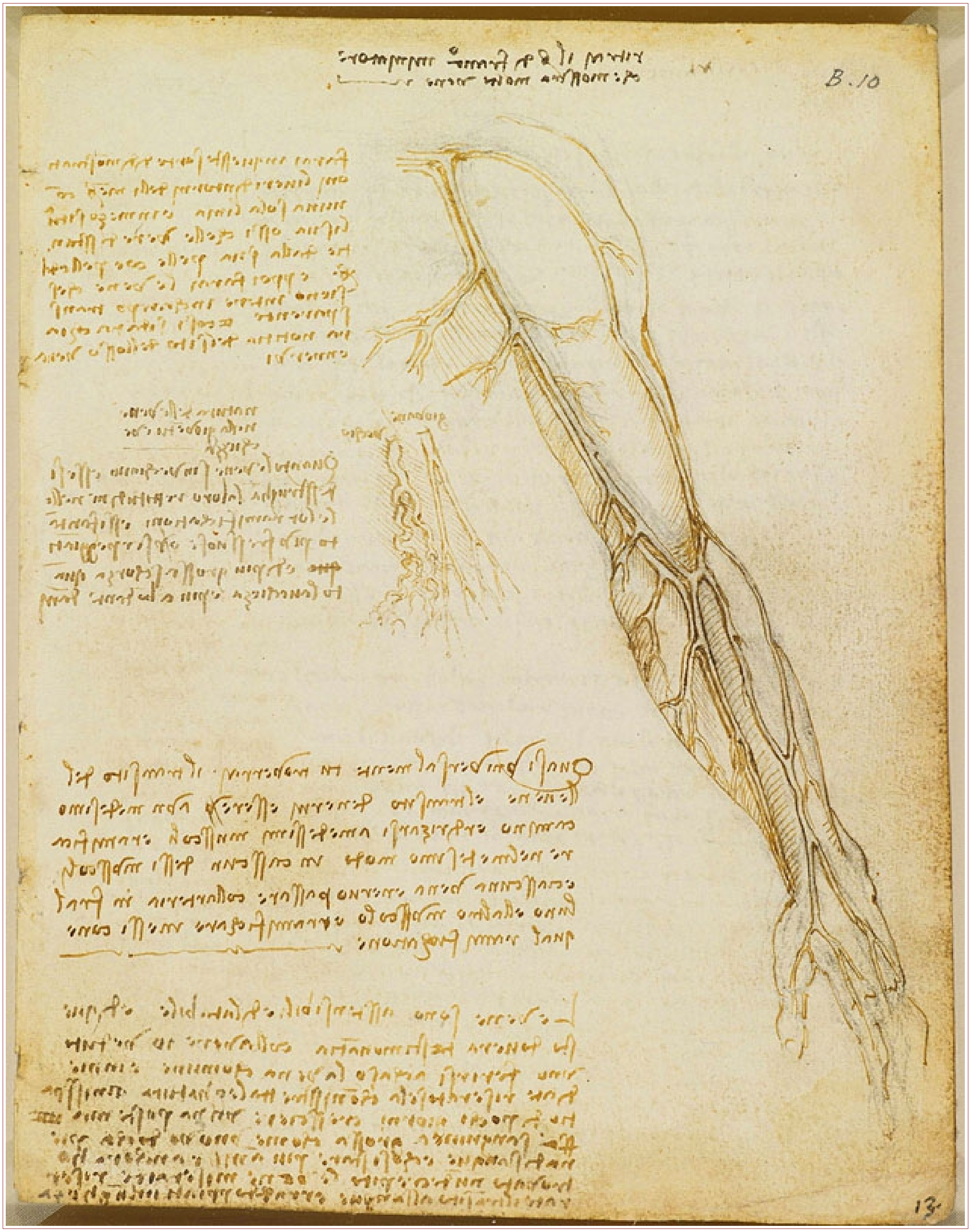
Leonardo da Vinci



Studium i Badania nad Optyka.
Study and Drawing ans Study of Optics.
Leonardo da Vinci.



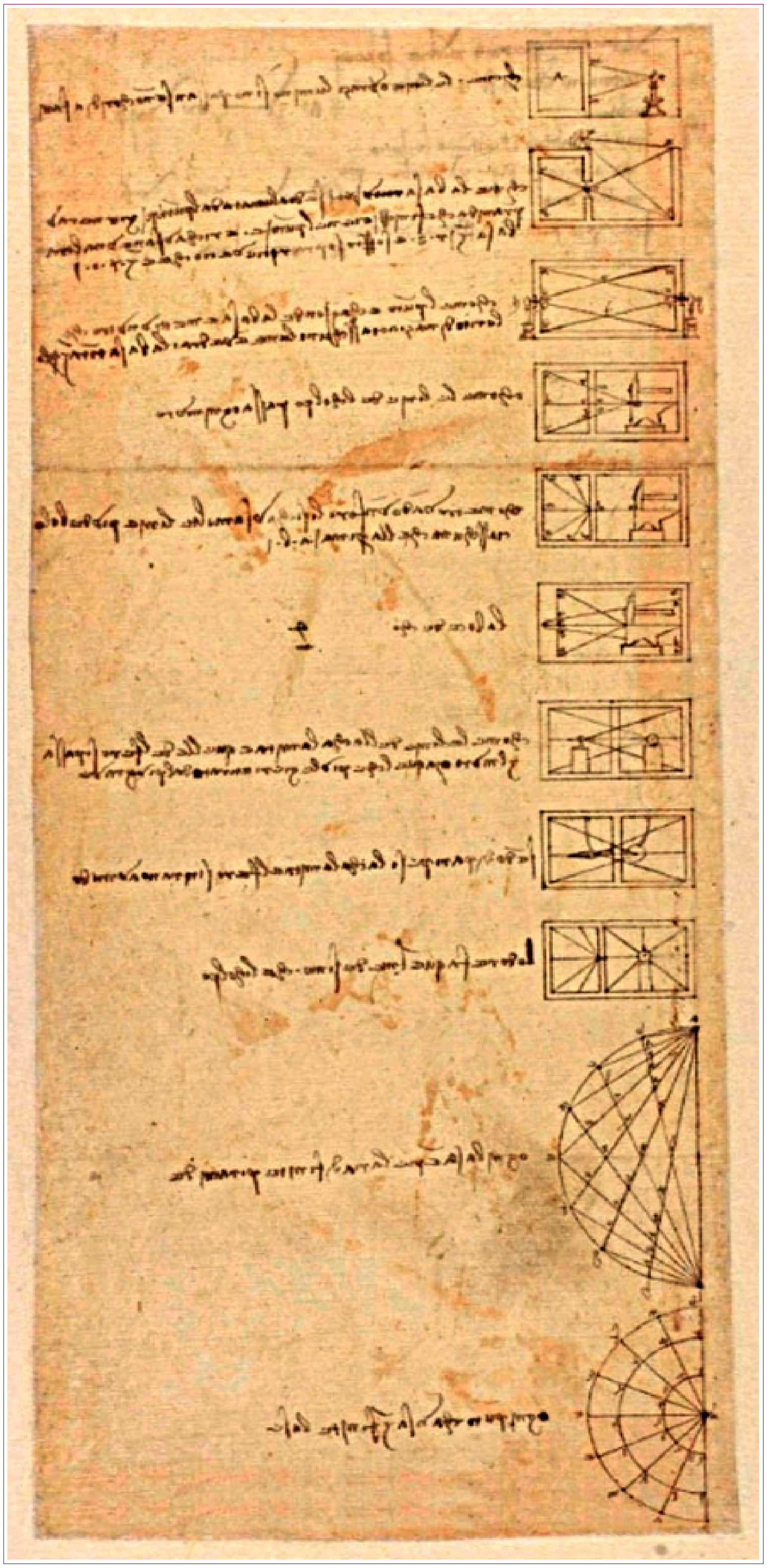
Badania anatomiczne nad mięśniami ust. Naczynia pępowiny cielątka.
Notes on the muscles of the mouth. The umbilical vessels of a calf.
Leonardo da Vinci.



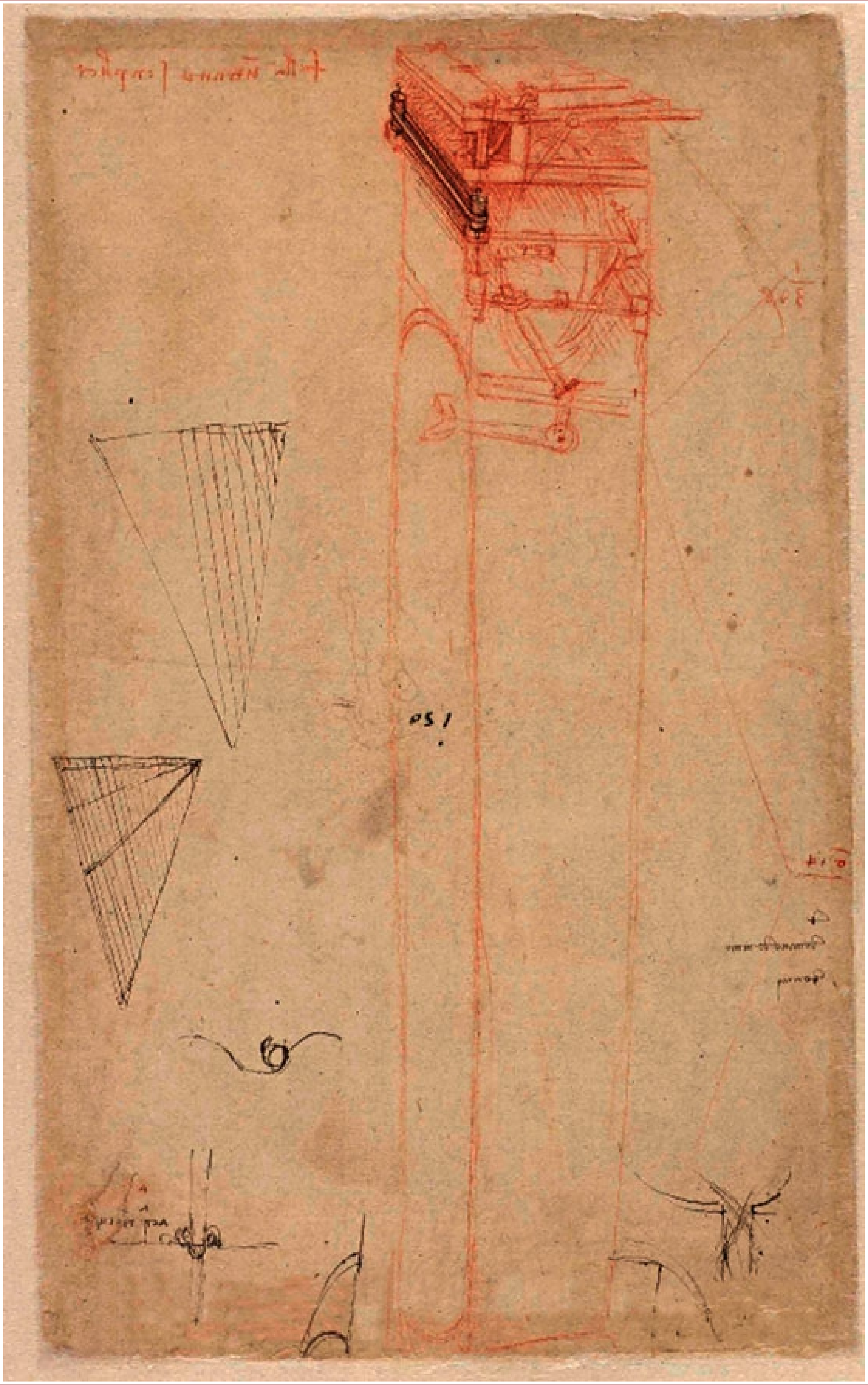
Szkice i Rozważania Anatomiczne.
Anatomical Drawings.
Leonardo da Vinci.

Leonardo da Vinci

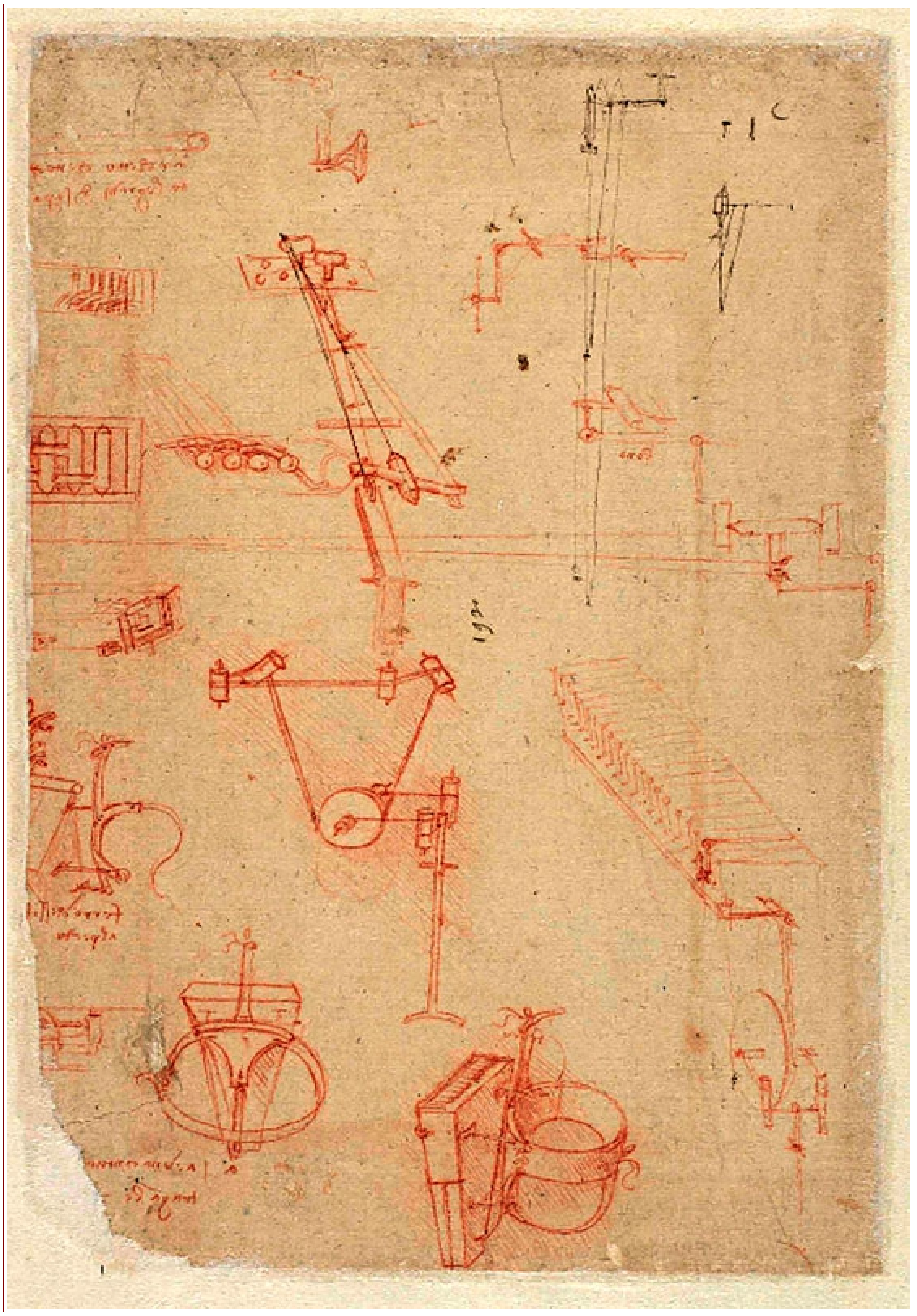
Leonardo da Vinci



Biblioteca Ambrosiana
Leonardo da Vinci



Viola Organista
Biblioteca Ambrosiana Milan
Leonardo da Vinci

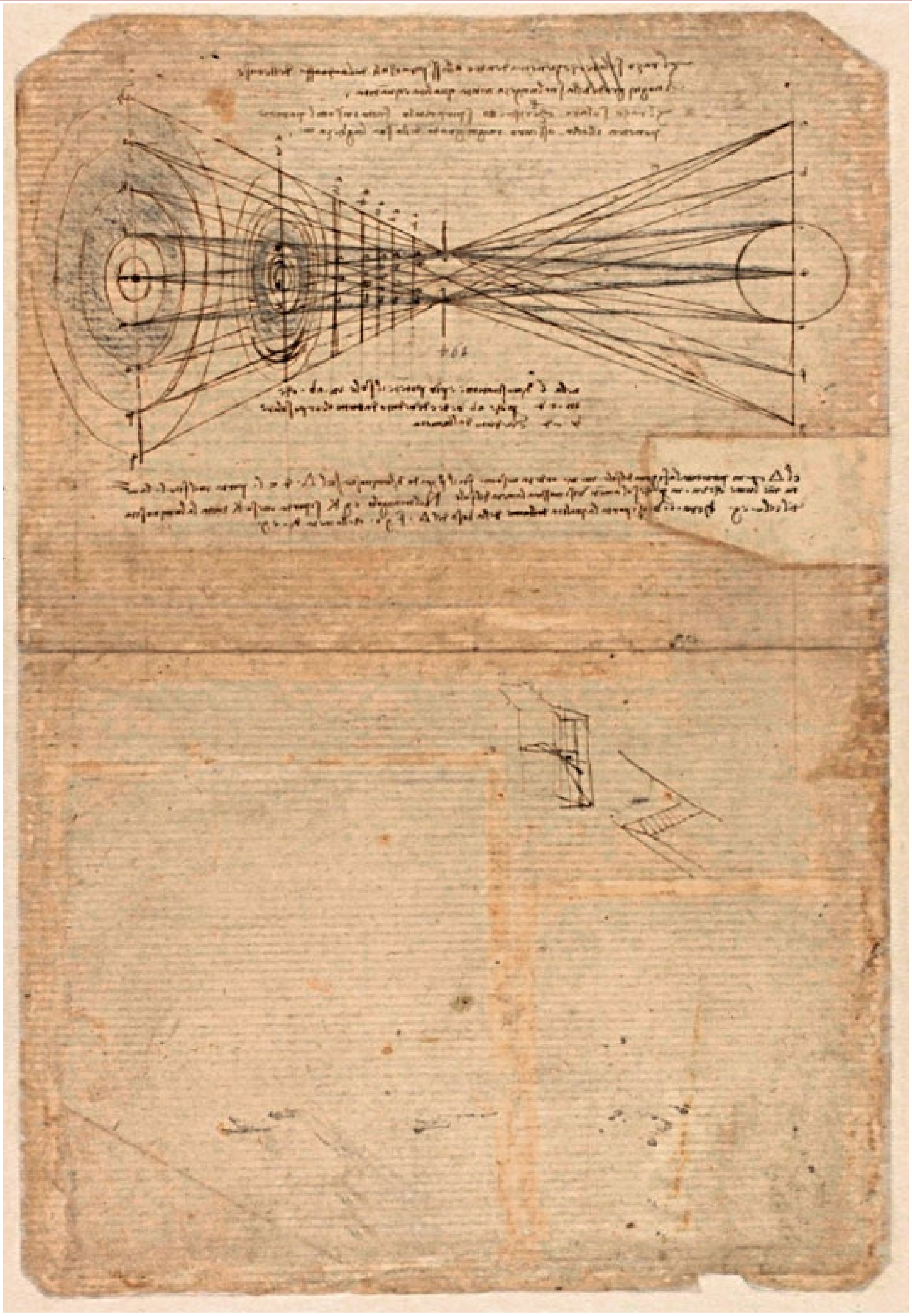


Clavi Viola
Biblioteca Ambrosiana Milan
Leonardo da Vinci

Leonardo da Vinci

Studium Moralne i Naturalistyczne
Naturalistic and Moral Studies
Leonardo da Vinci

Leonardo da Vinci

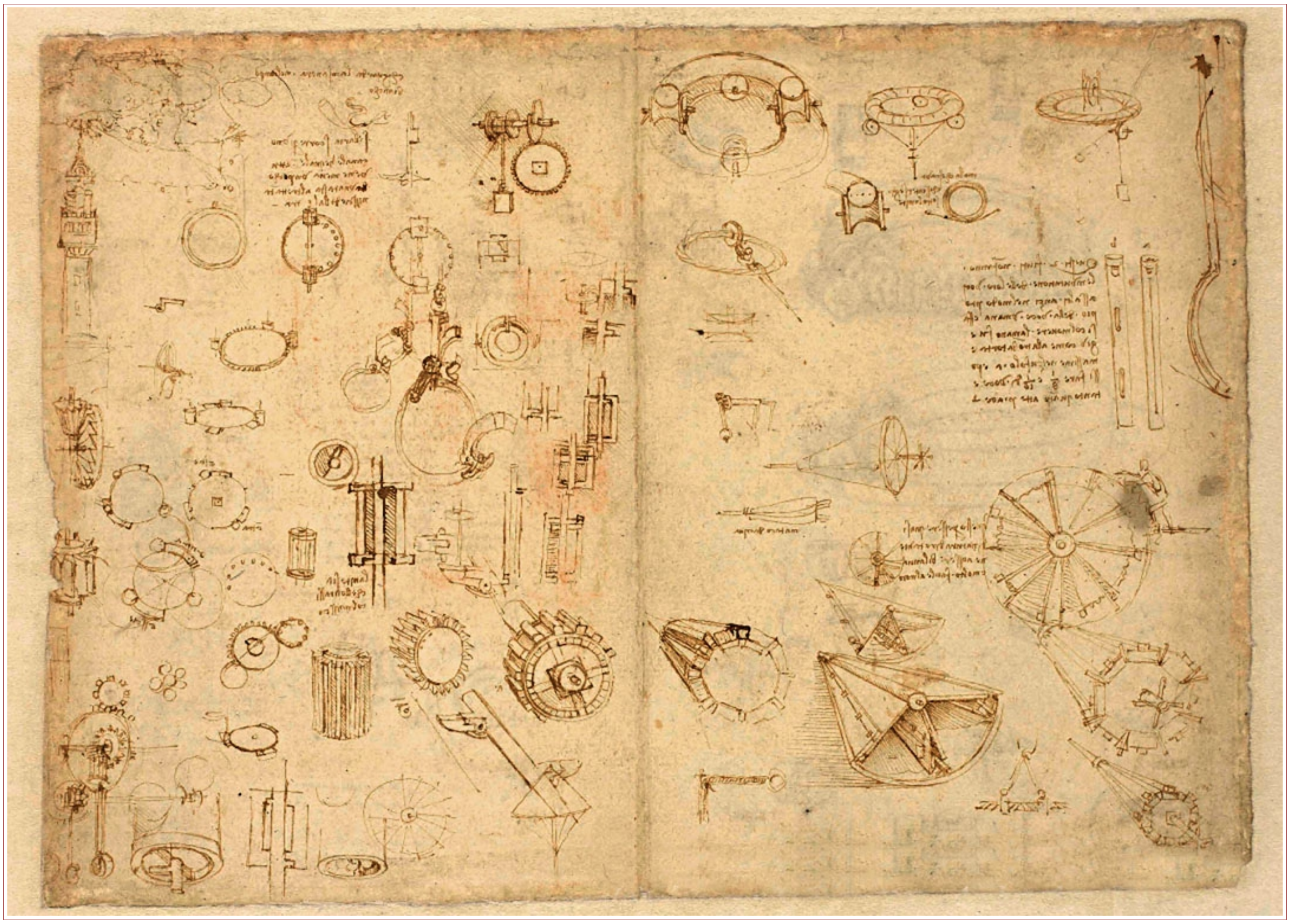


Biblioteca Ambrosiana Milan
Leonardo da Vinci

Leonardo da Vinci

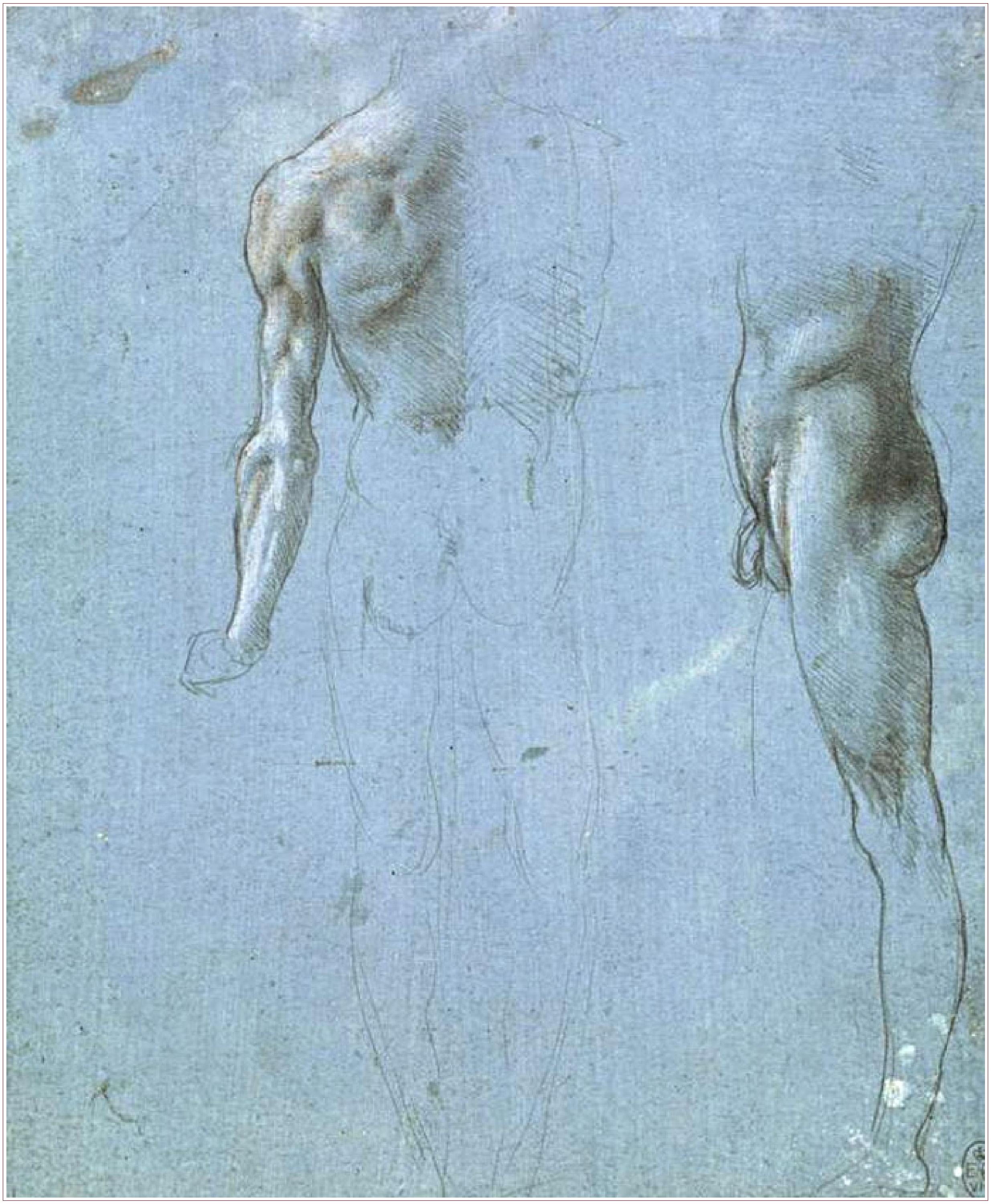
Leonardo da Vinci

Leonardo da Vinci

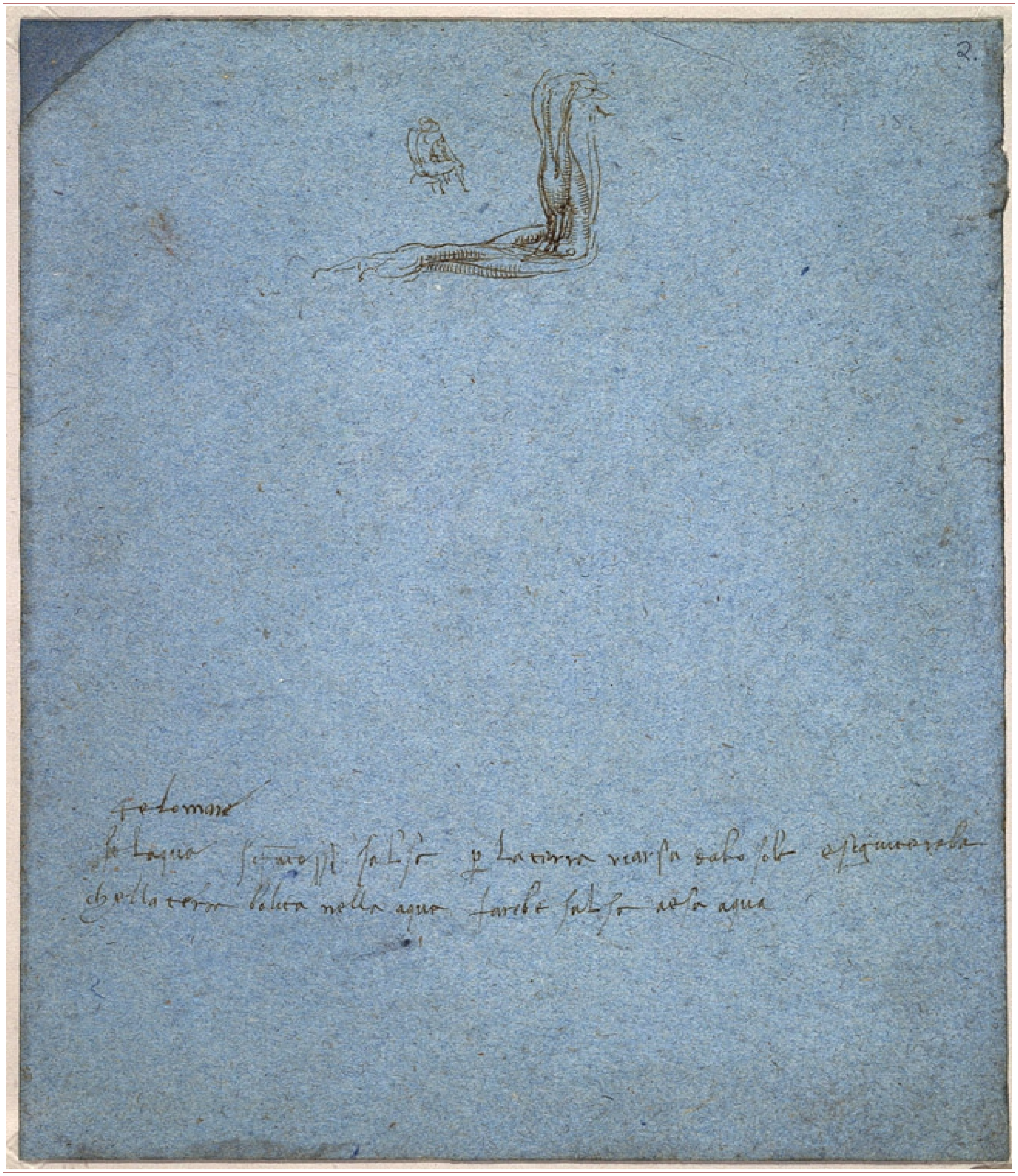


Inżynieria Mechaniczna
Mechanical Designs
Leonardo da Vinci

Mięśnie Górnej Części Kręgosłupa
Muscles of the Upper Spine
Leonardo da Vinci

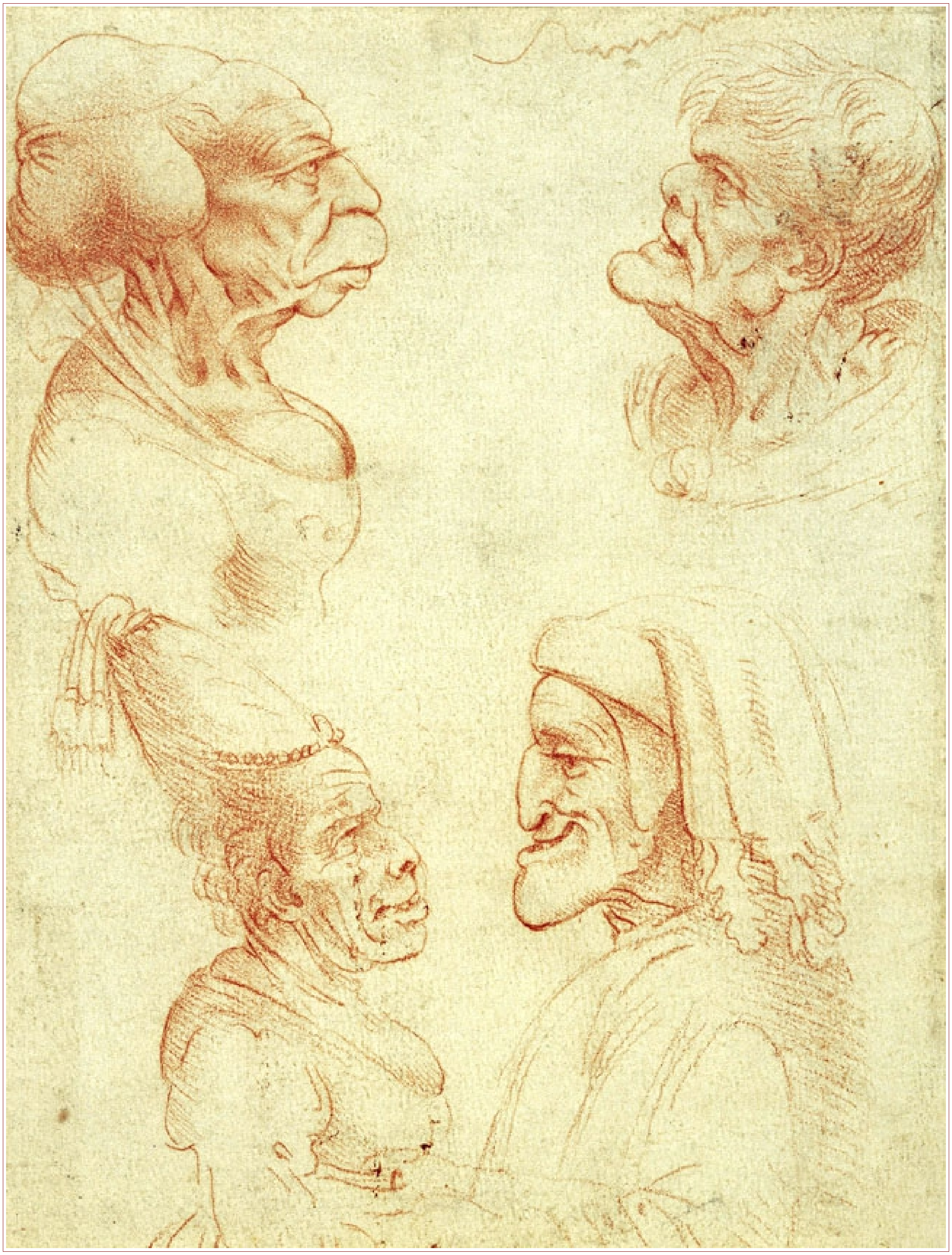


Studium Anatomiczne
Anatomical Drawings
Leonardo da Vinci



Studium Anatomiczne
Anatomical Drawings
Leonardo da Vinci

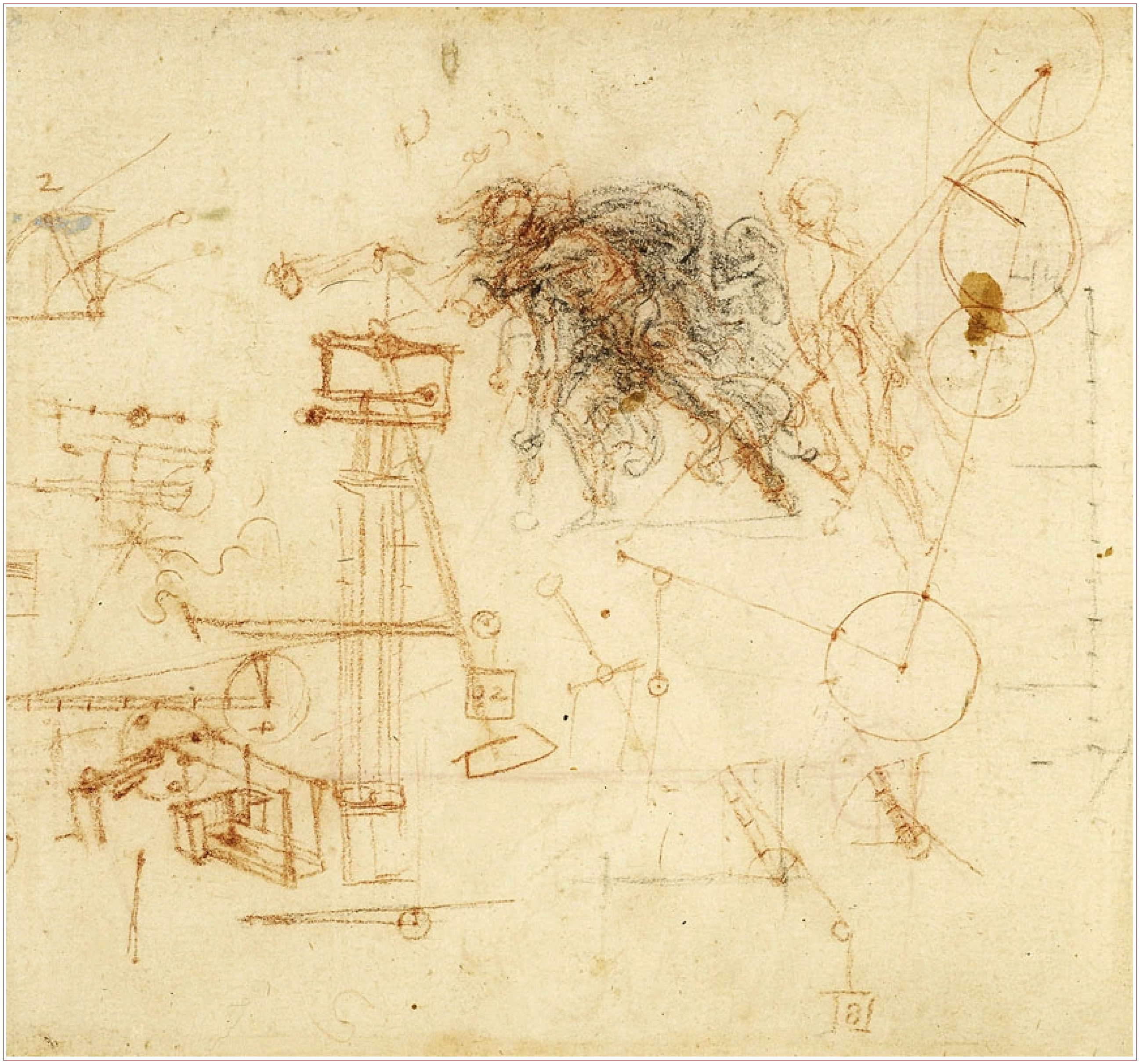
Studium Anatomiczne
Anatomical Drawings
Leonardo da Vinci



Zabawy z Ołówkiem
Playing with a Pencil
Leonardo da Vinci

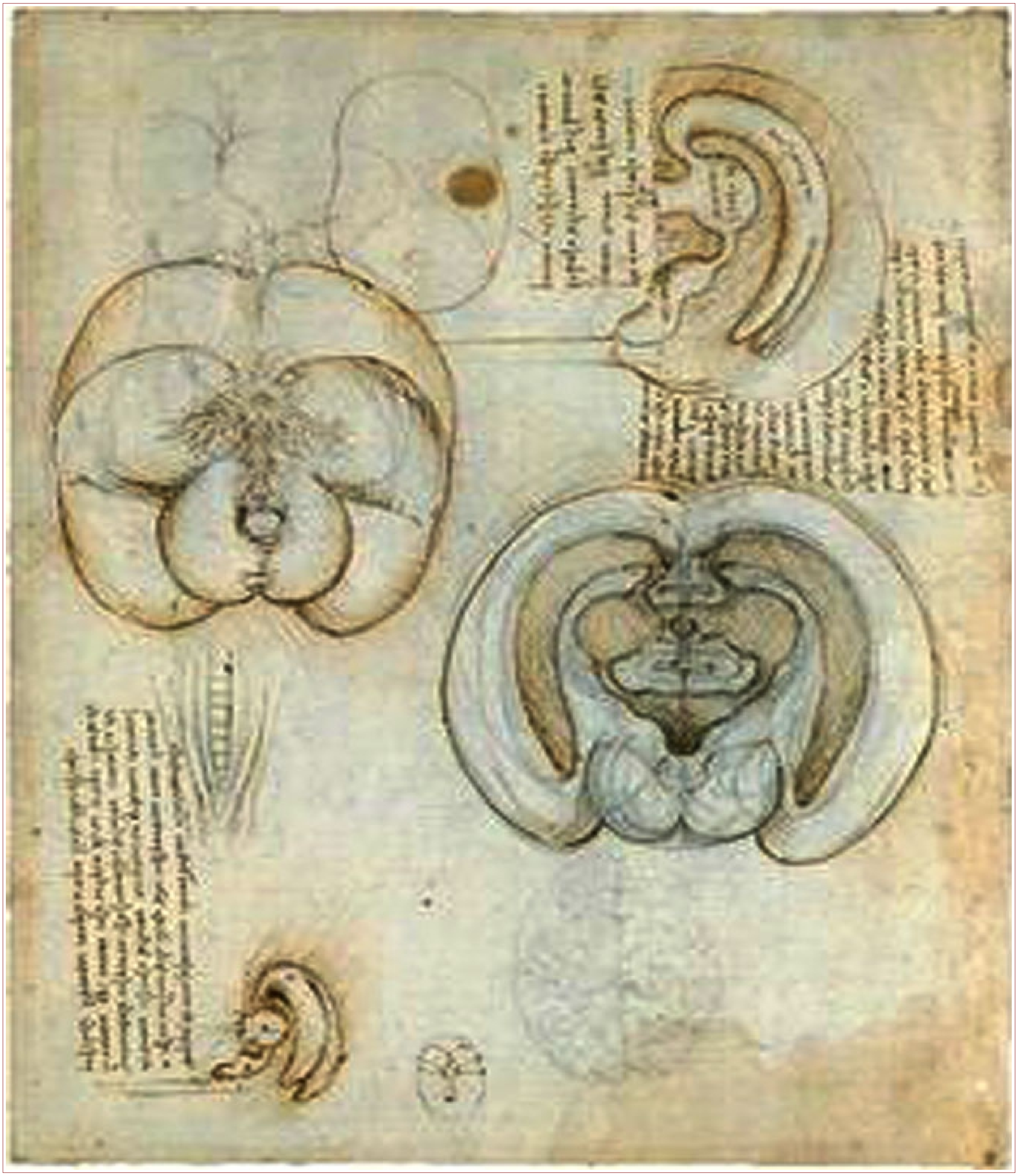
Studium Architektoniczne
Architectural Study
Leonardo da Vinci

Studium Prawej Stopy
Right Foot Study
Leonardo da Vinci

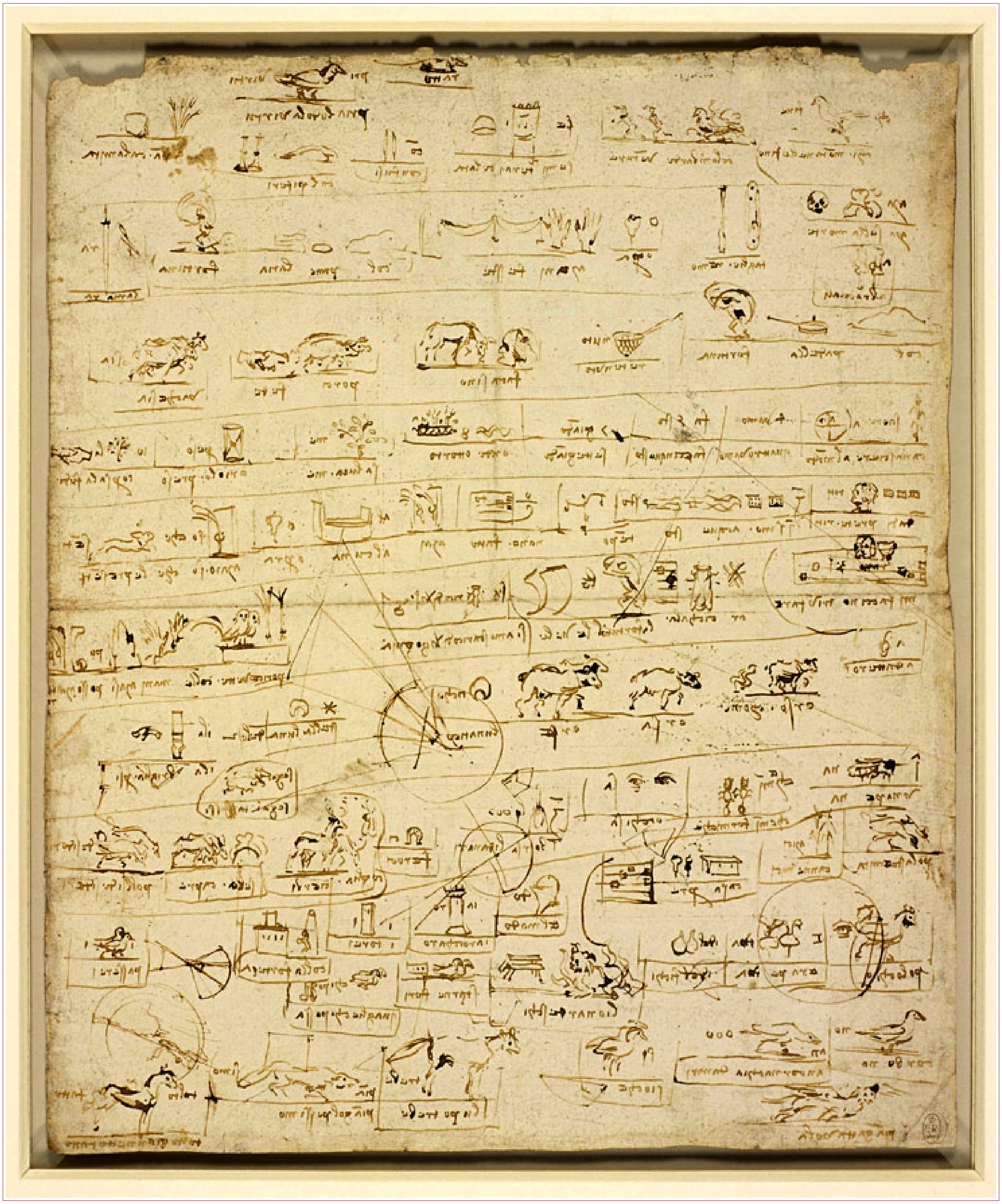


Szkice Anatomiczne i Techniczne
Technical and Anatomical Drawings
Leonardo da Vinci

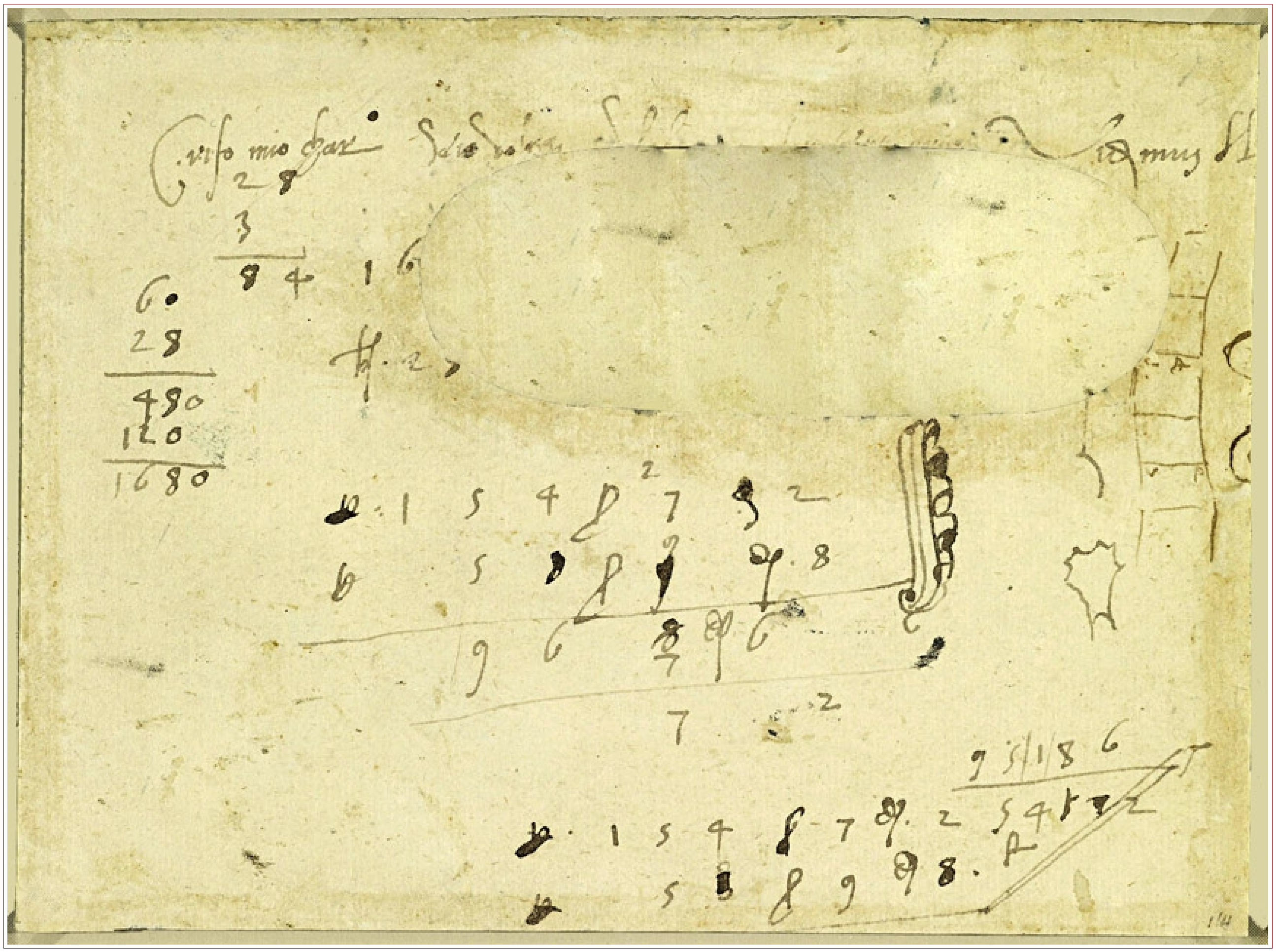
Leonardo da Vinci



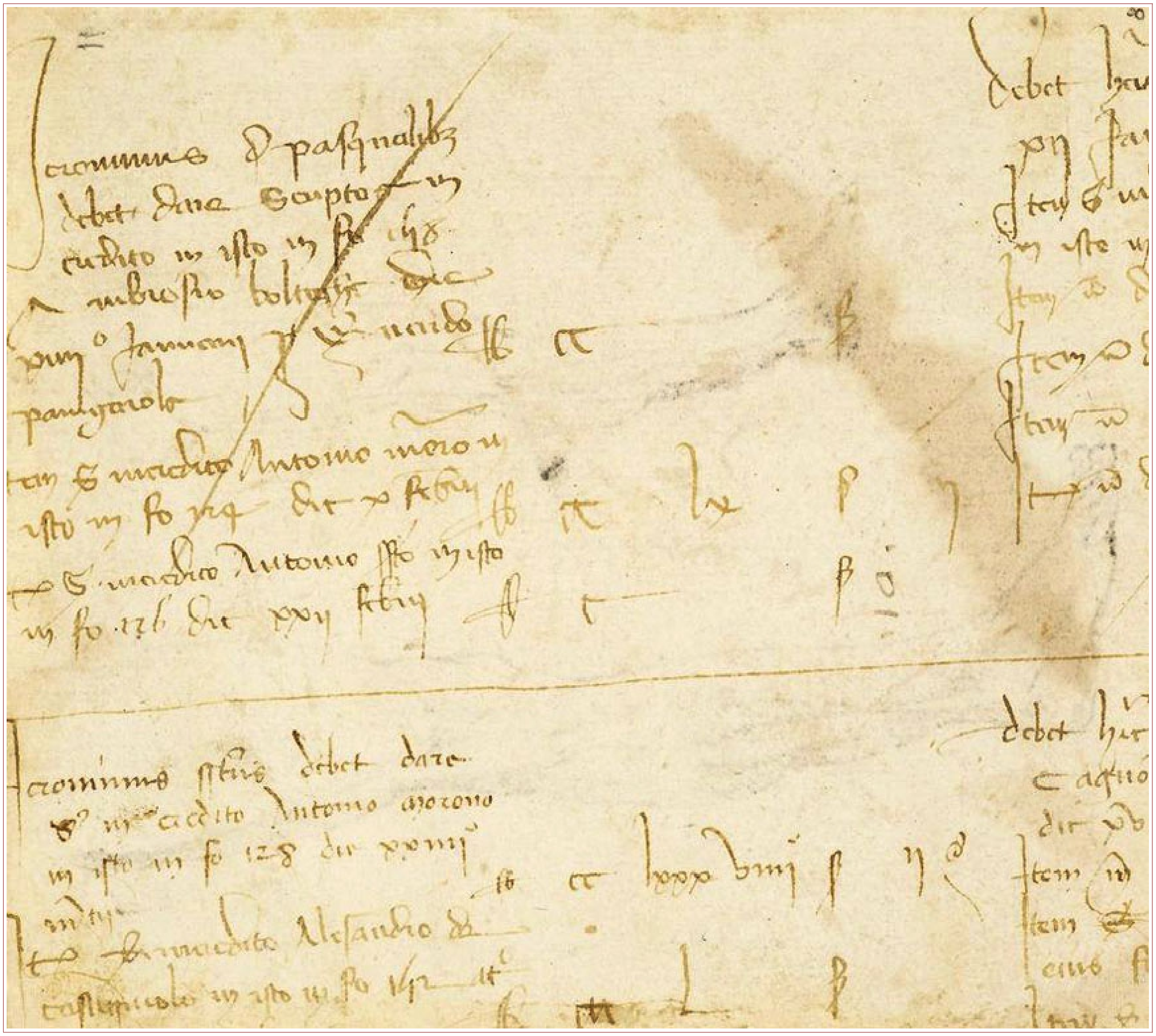
Studium Anatomiczne
Anatomical Drawing
Leonardo da Vinci



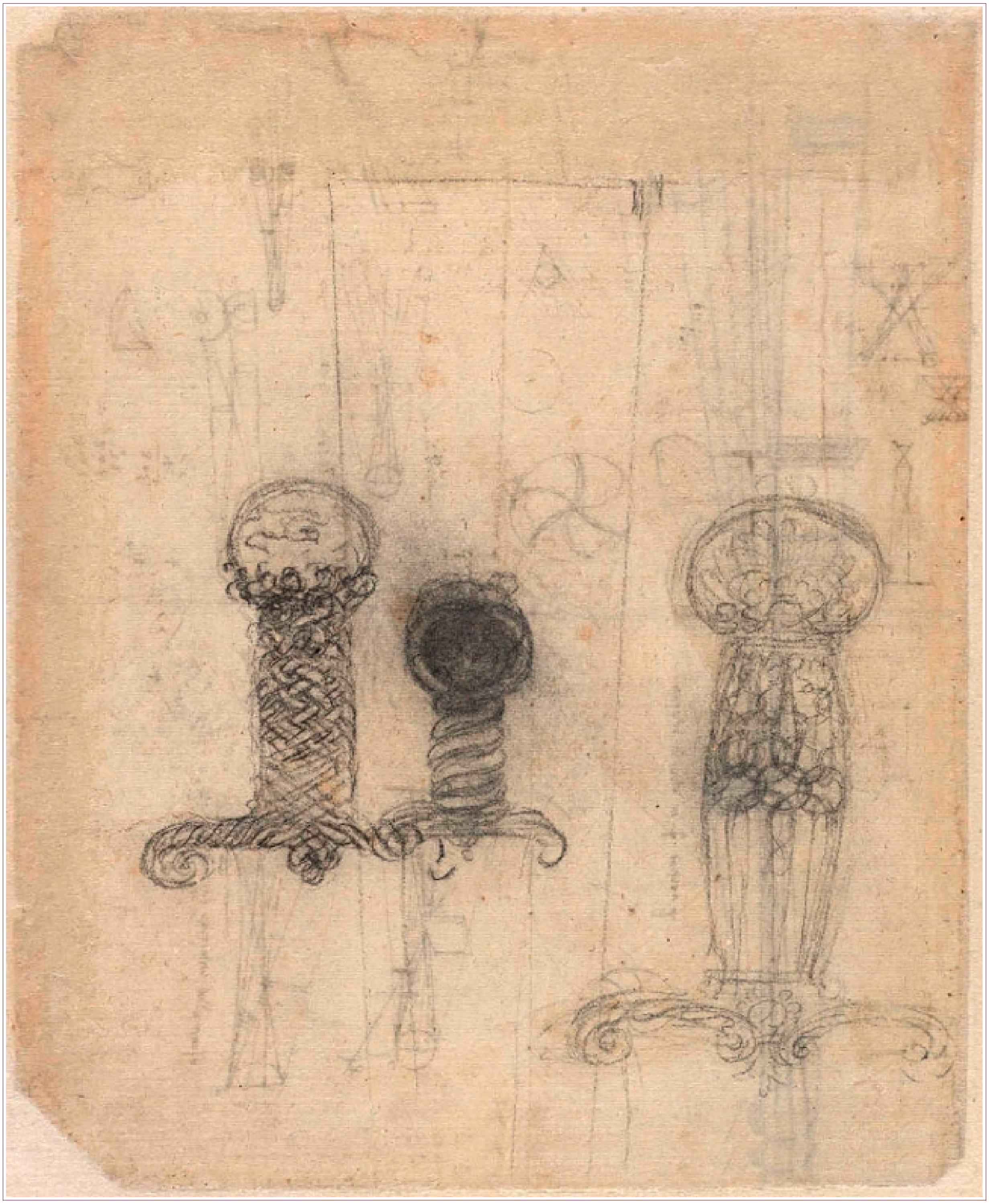
Kalejdoskop Zainteresowań
Variety of Interests
Leonardo da Vinci



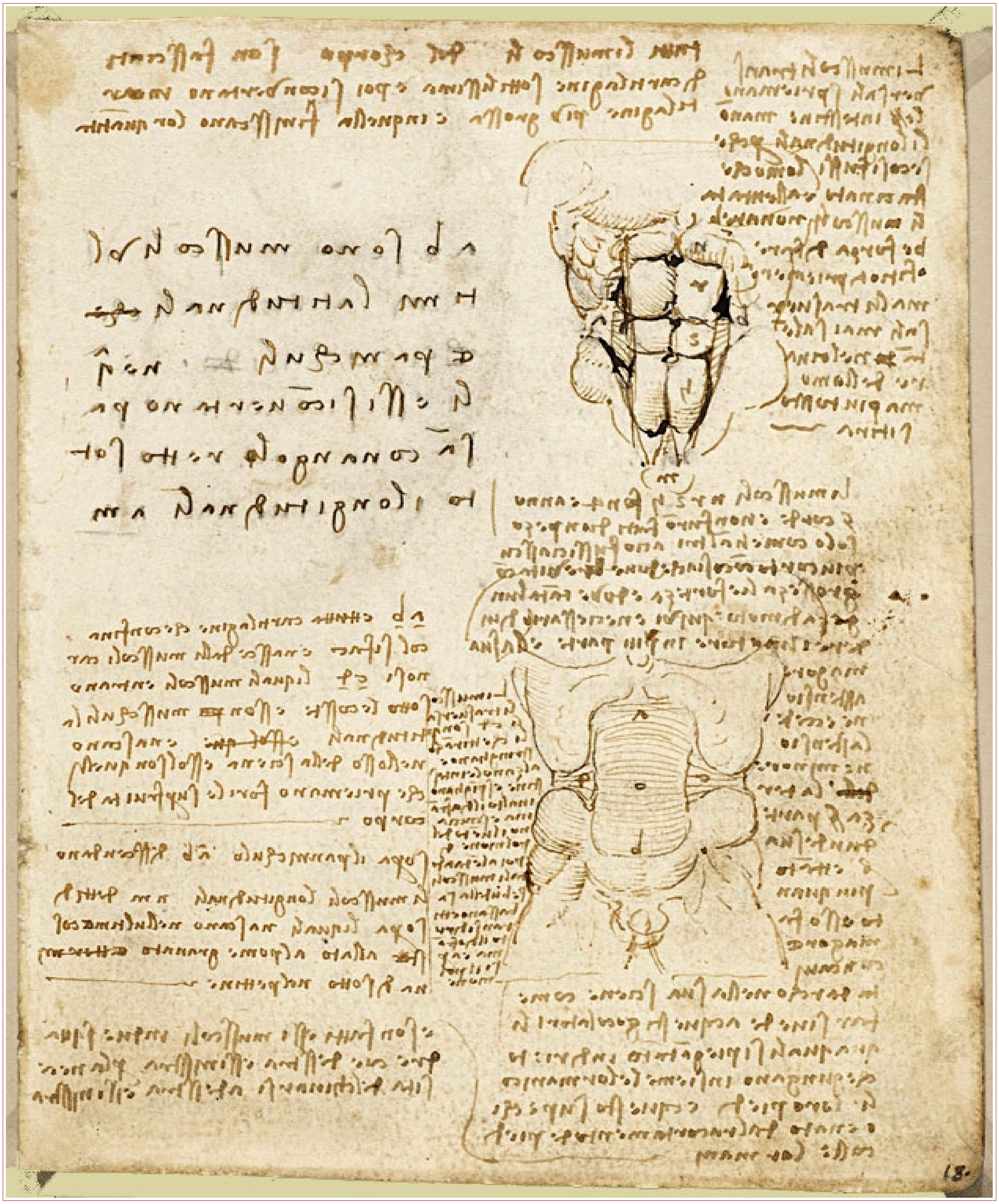
Leonardo da Vinci



Leonardo da Vinci

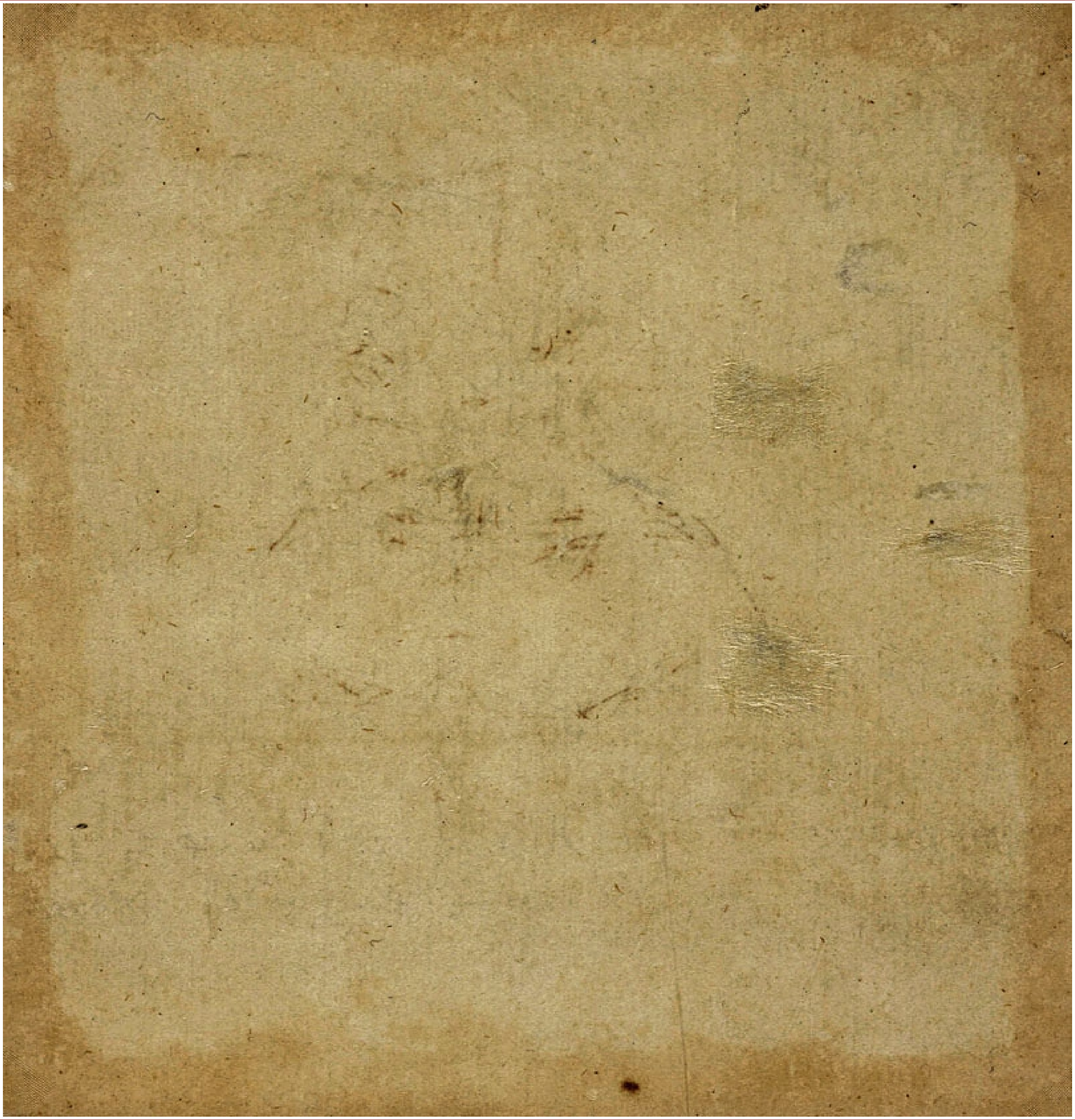


Szkice Mieczy
Drawings of Swords
Leonardo da Vinci

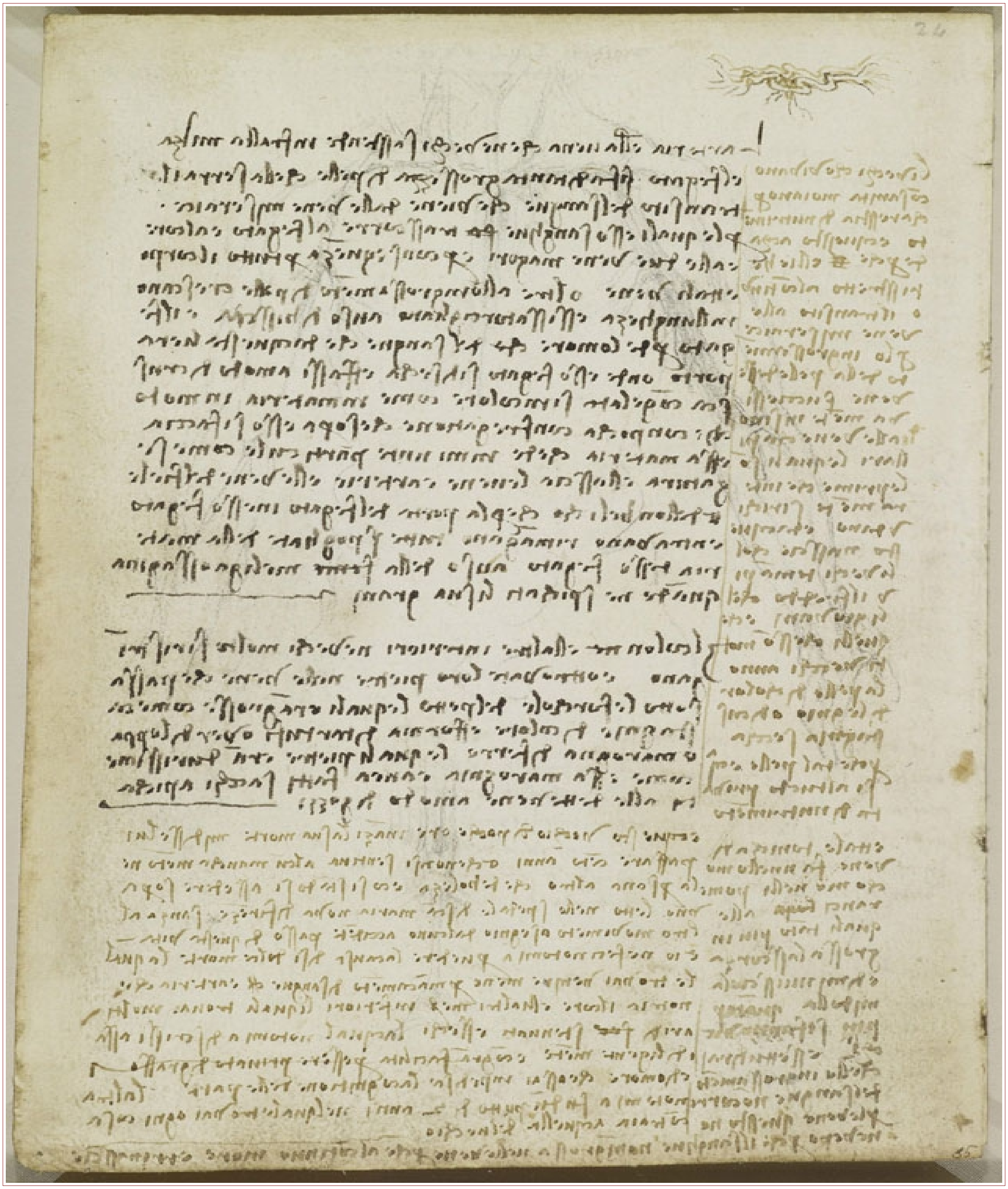


Studium Anatomiczne
Anatomical Drawings
Leonardo da Vinci

Studium Szaty Sw. Anny
St. Ann's Drapery



Studium Mężczyzny
Male Drawing
Leonardo da Vinci

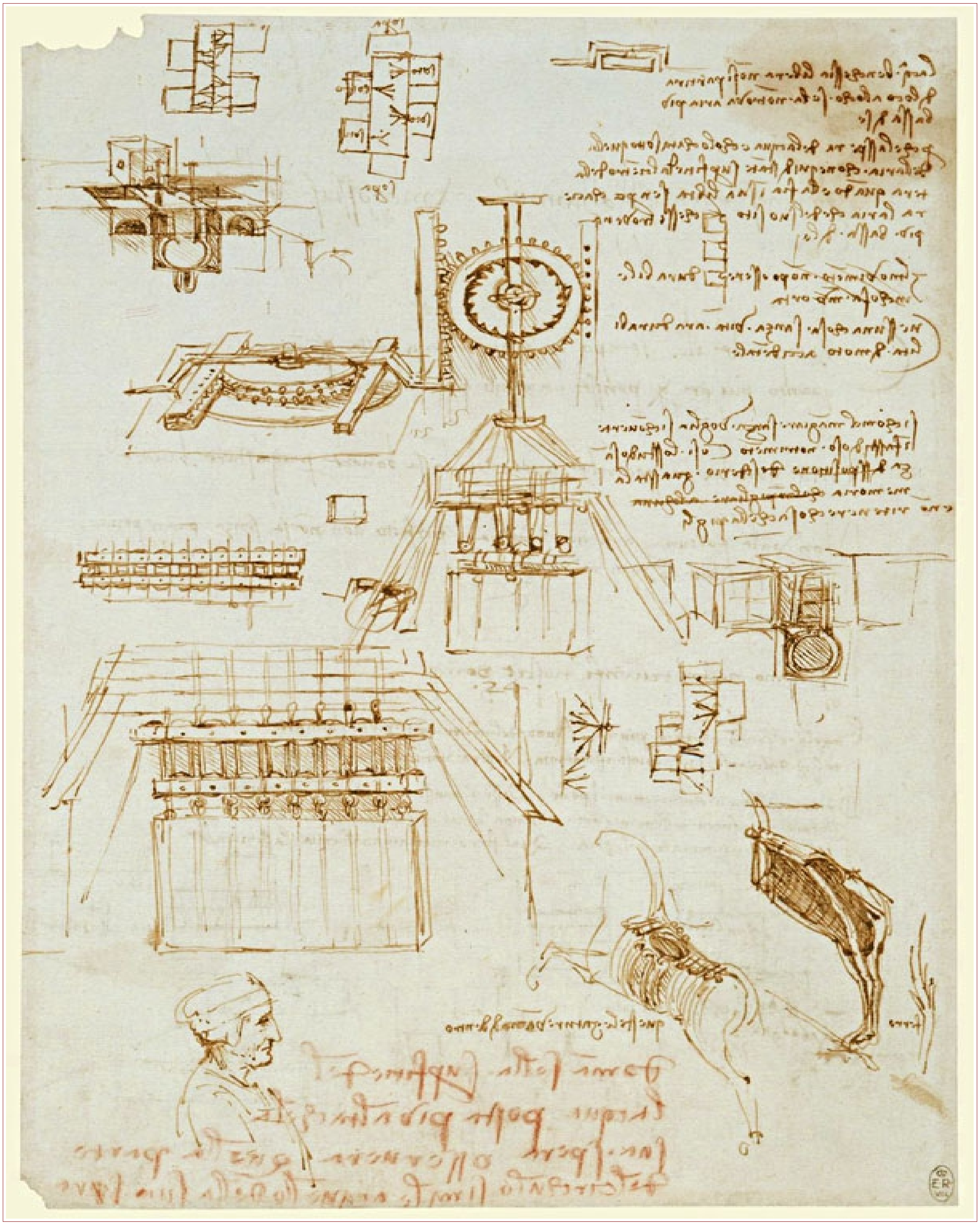


Żyły i Ramiona
Veins and Arms (?)
Leonardo da Vinci

Studium Leda z Łabędziem
Leda and the Swan
Leonardo da Vinci

Leonardo da Vinci

Leonardo da Vinci

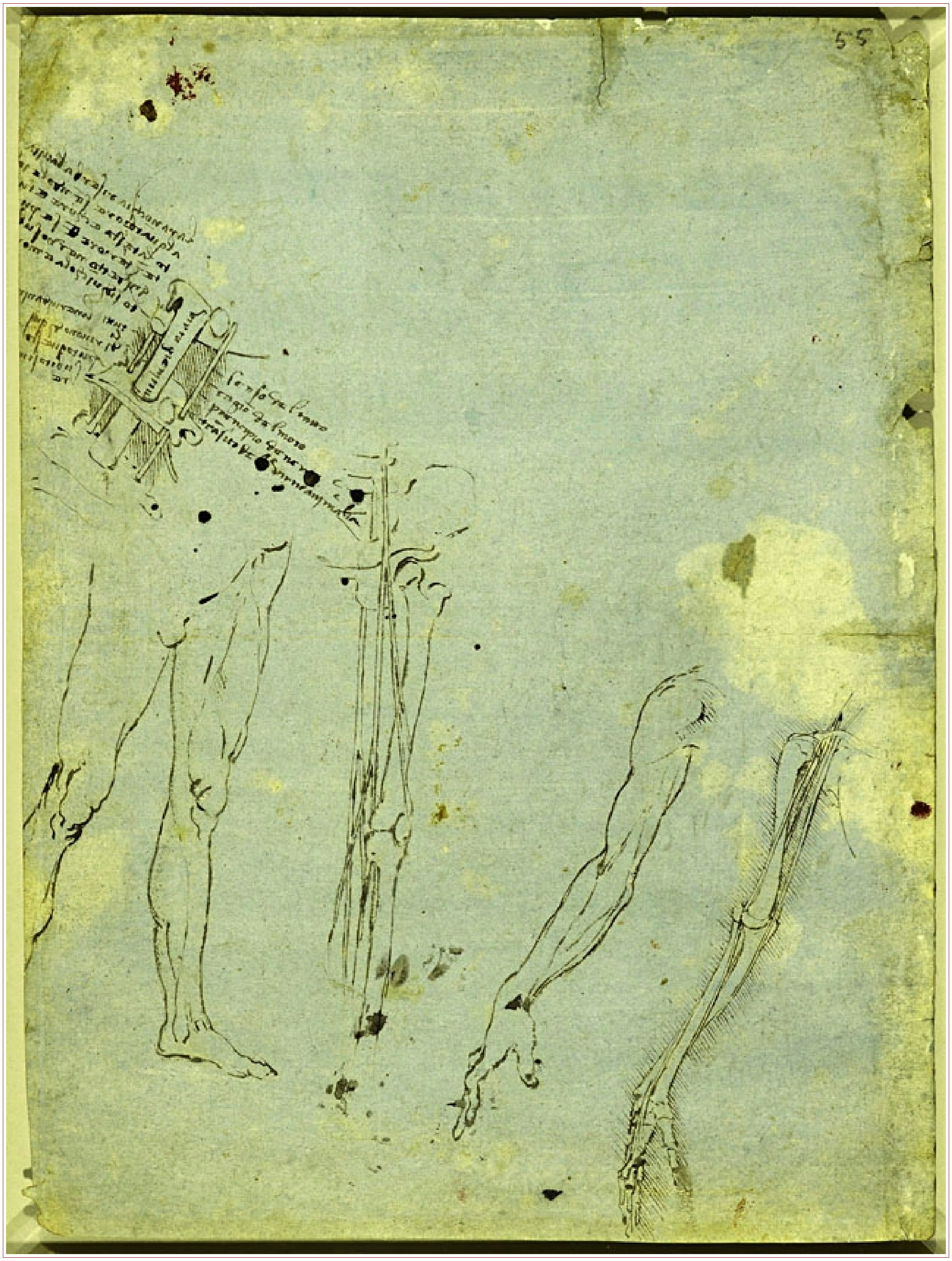


Studium Monumentu Sforzy
Sforza Monument Study
Leonardo da Vinci

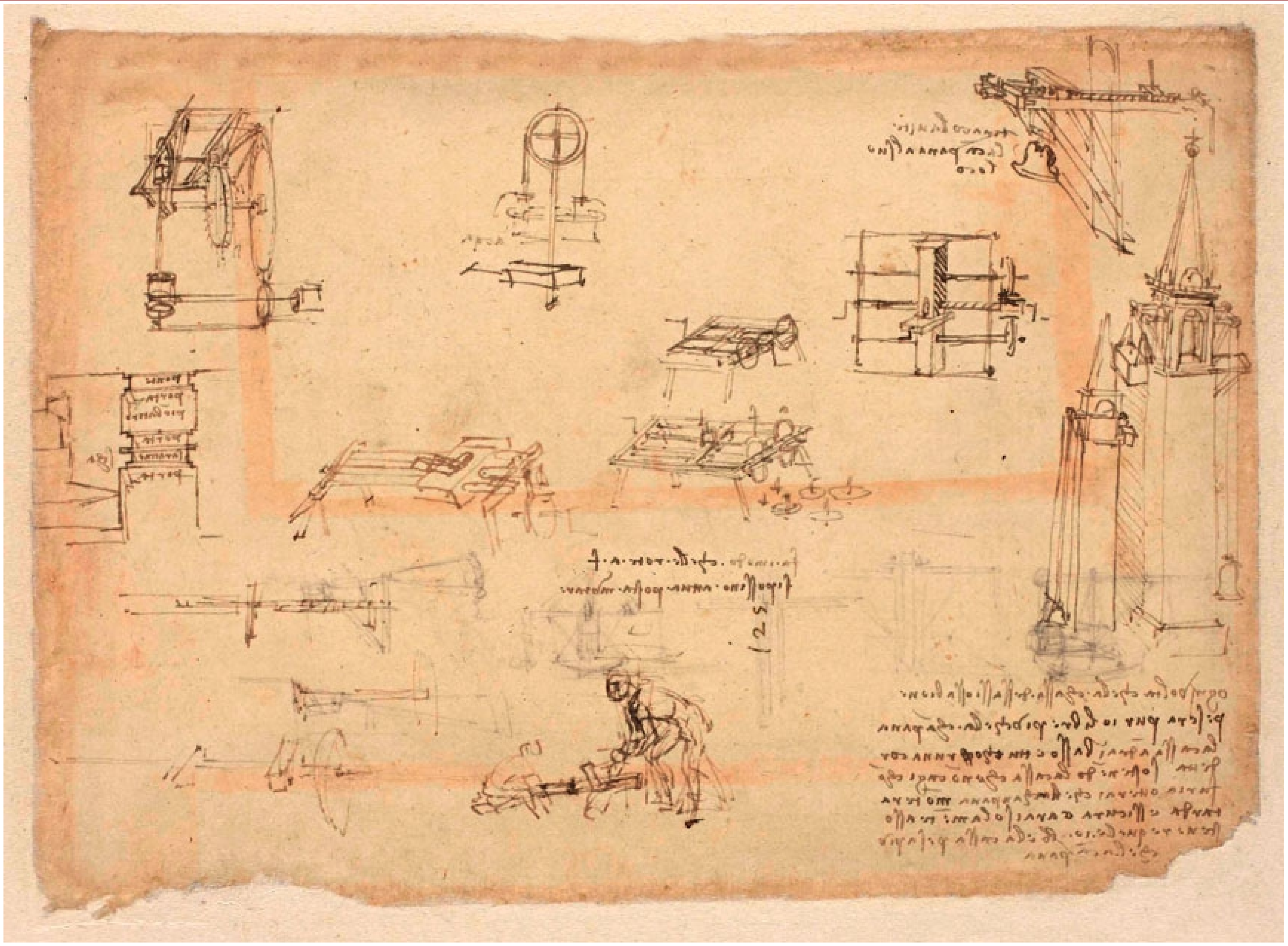
Biblioteka Ambrosiana
Leonardo da Vinci

Miasteczko u Podnóża Gór
Town near the Mountains

Leonardo da Vinci

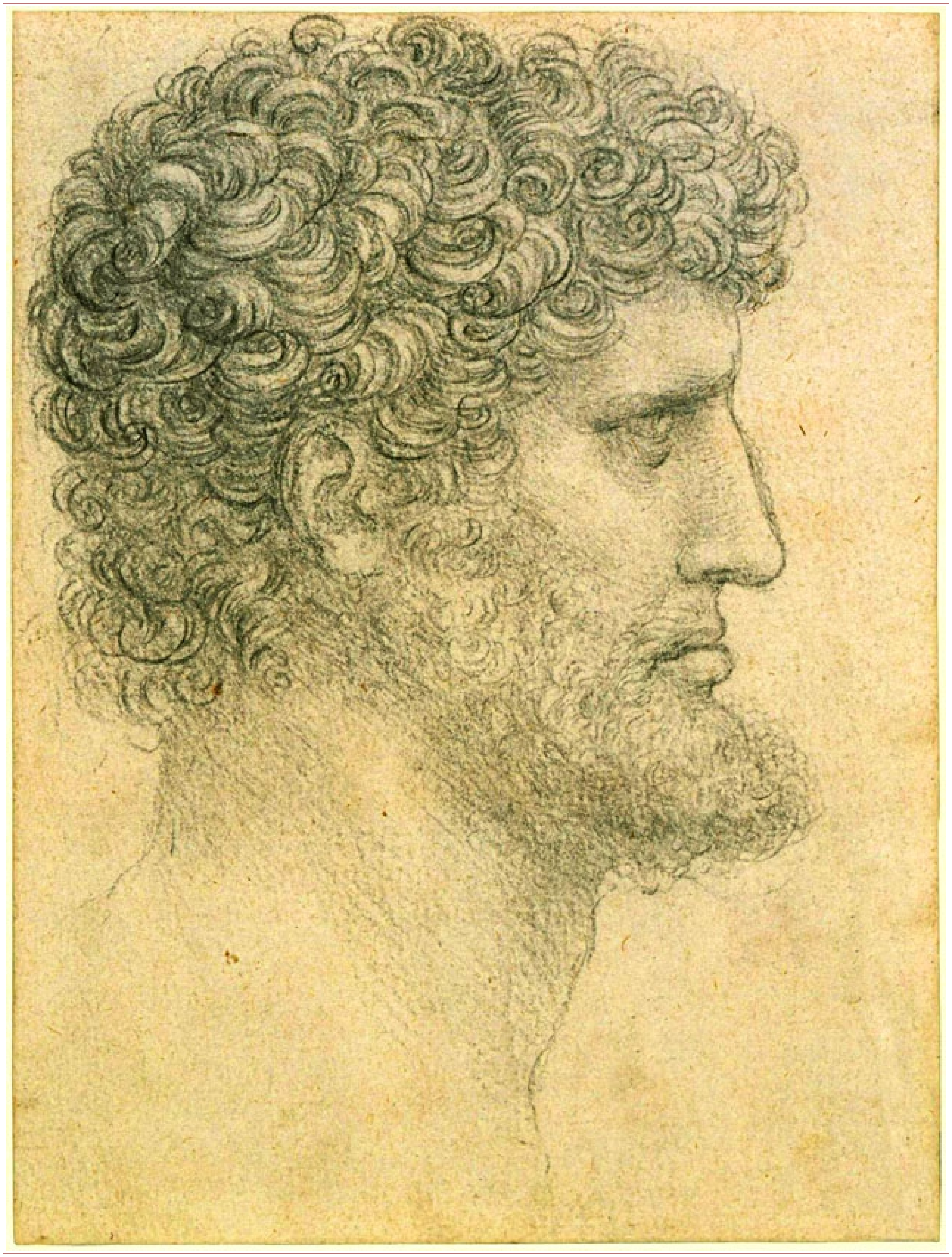


Projekty Protez
ProstheticStudies
Leonardo da Vinci



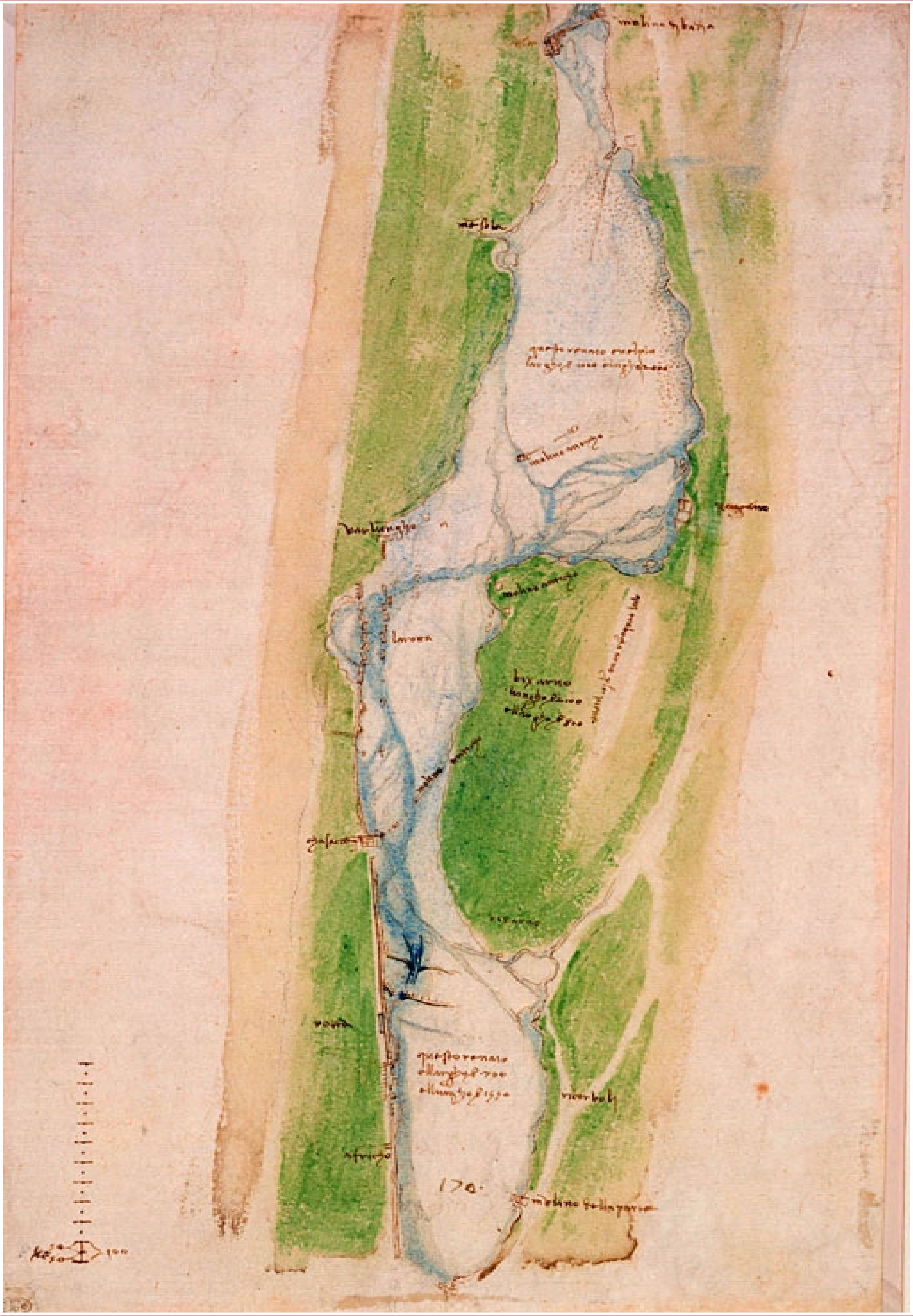
System Montażu Dzwonu na Wieży. Projekty Mechaniczne.
Mounting Bell on the Tower. Mechanical Designs.
Leonardo da Vinci.

Leonardo da Vinci

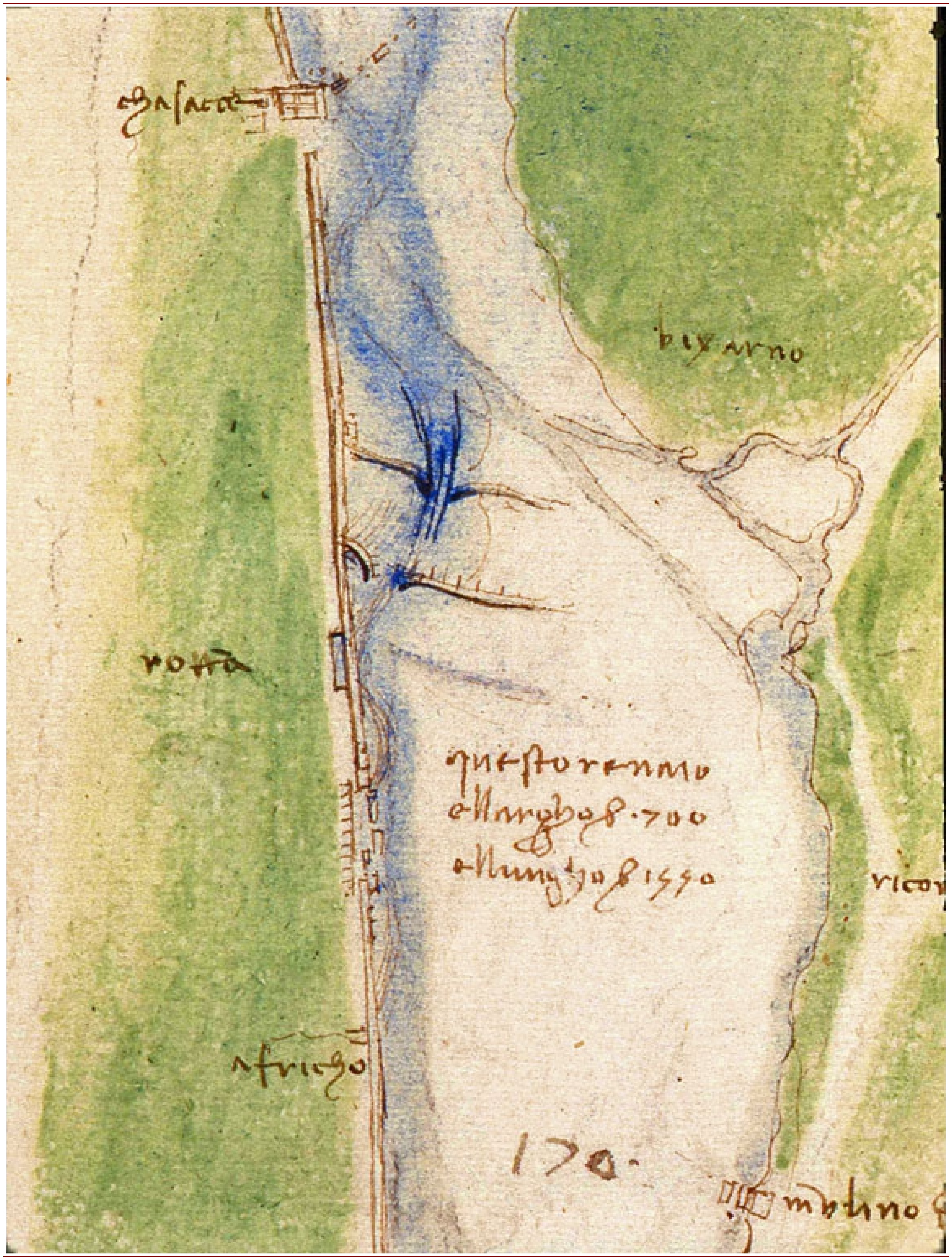


Leonardo da Vinci

Szkic do Obrazu
Drapery Study
Leonardo da Vinci

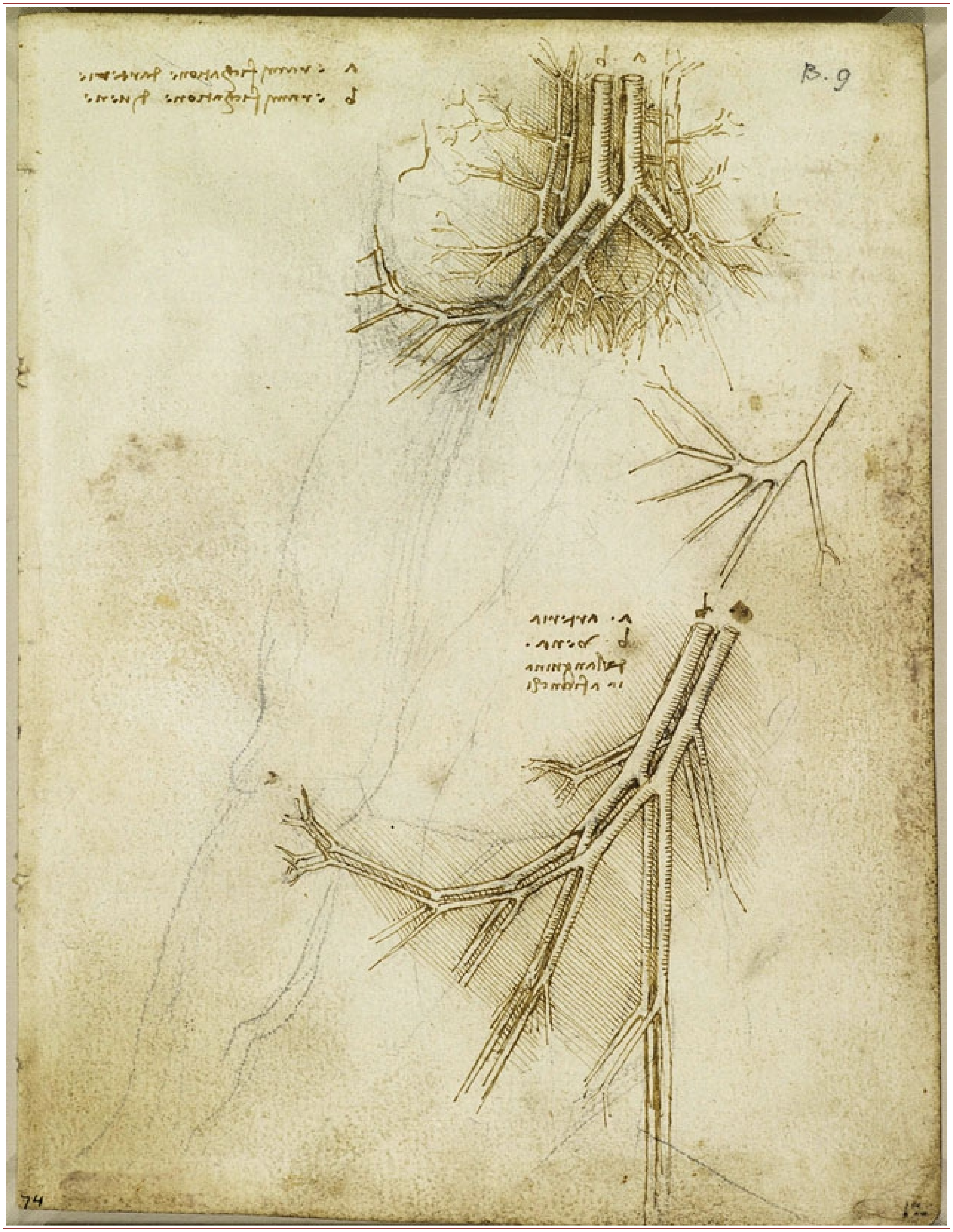


Mapa Rzeki Arno
River Arno near Florence
Leonardo da Vinci

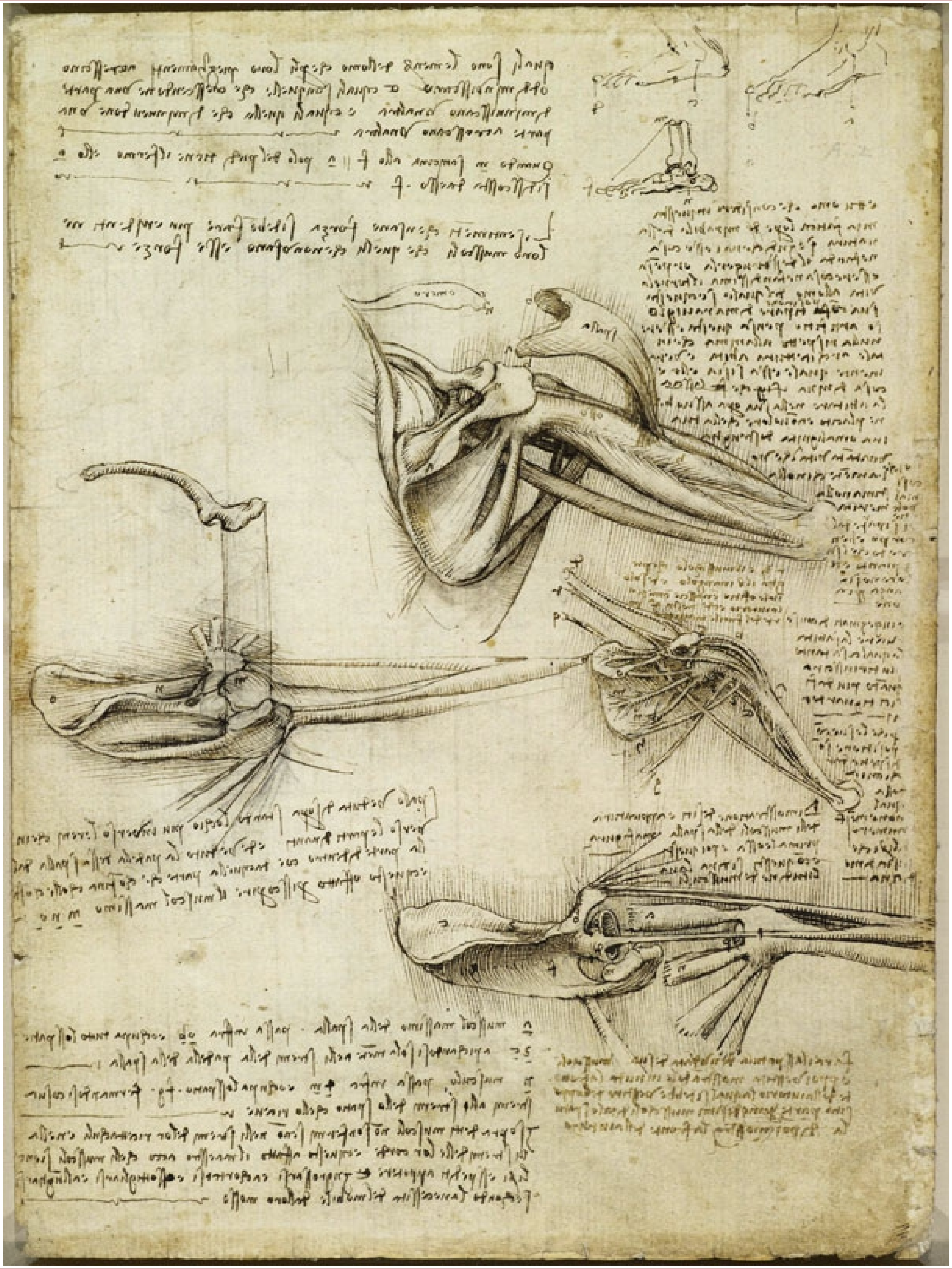


Mapa Rzeki Arno
River Arno near Florence
Leonardo da Vinci

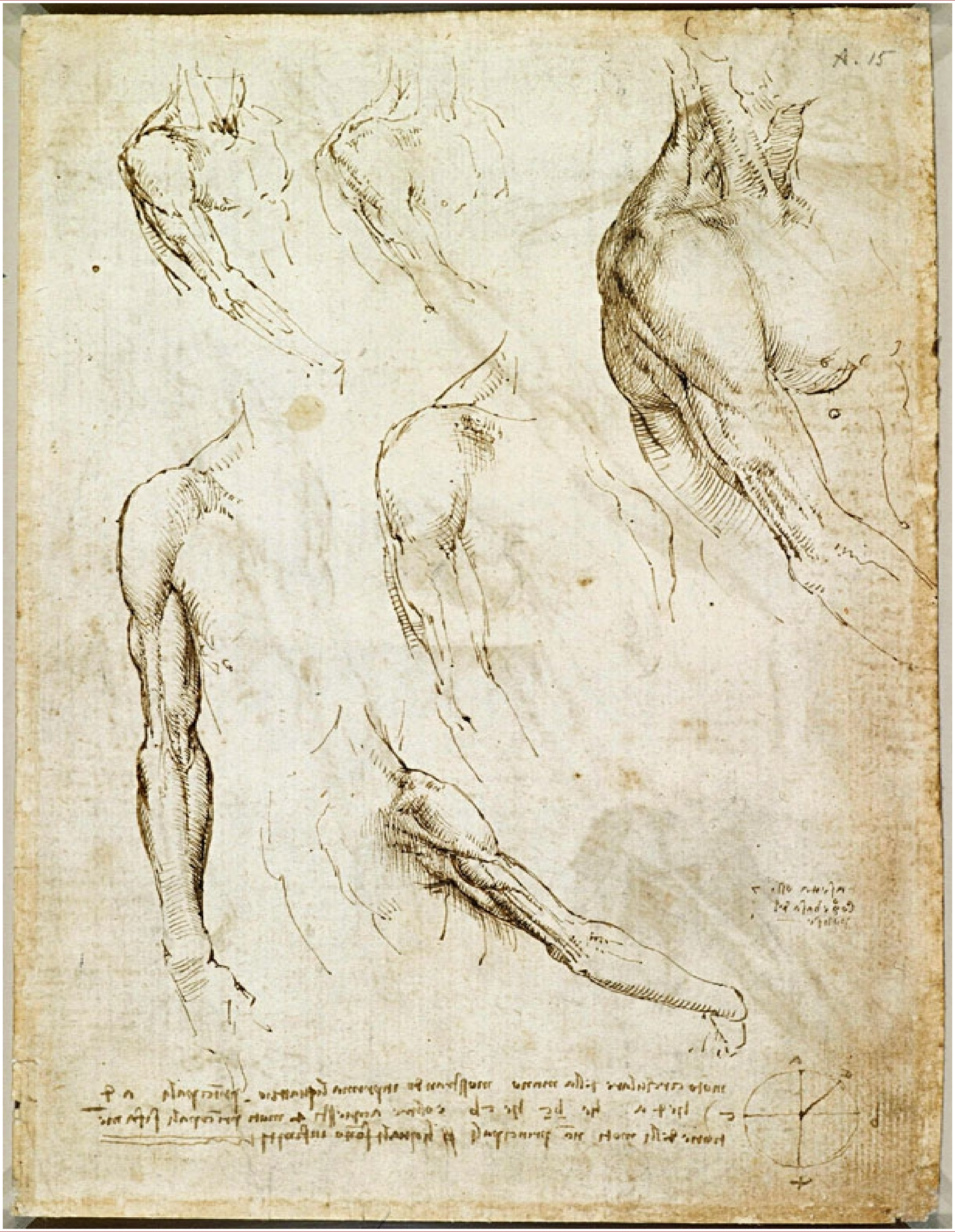
Leonardo da Vinci



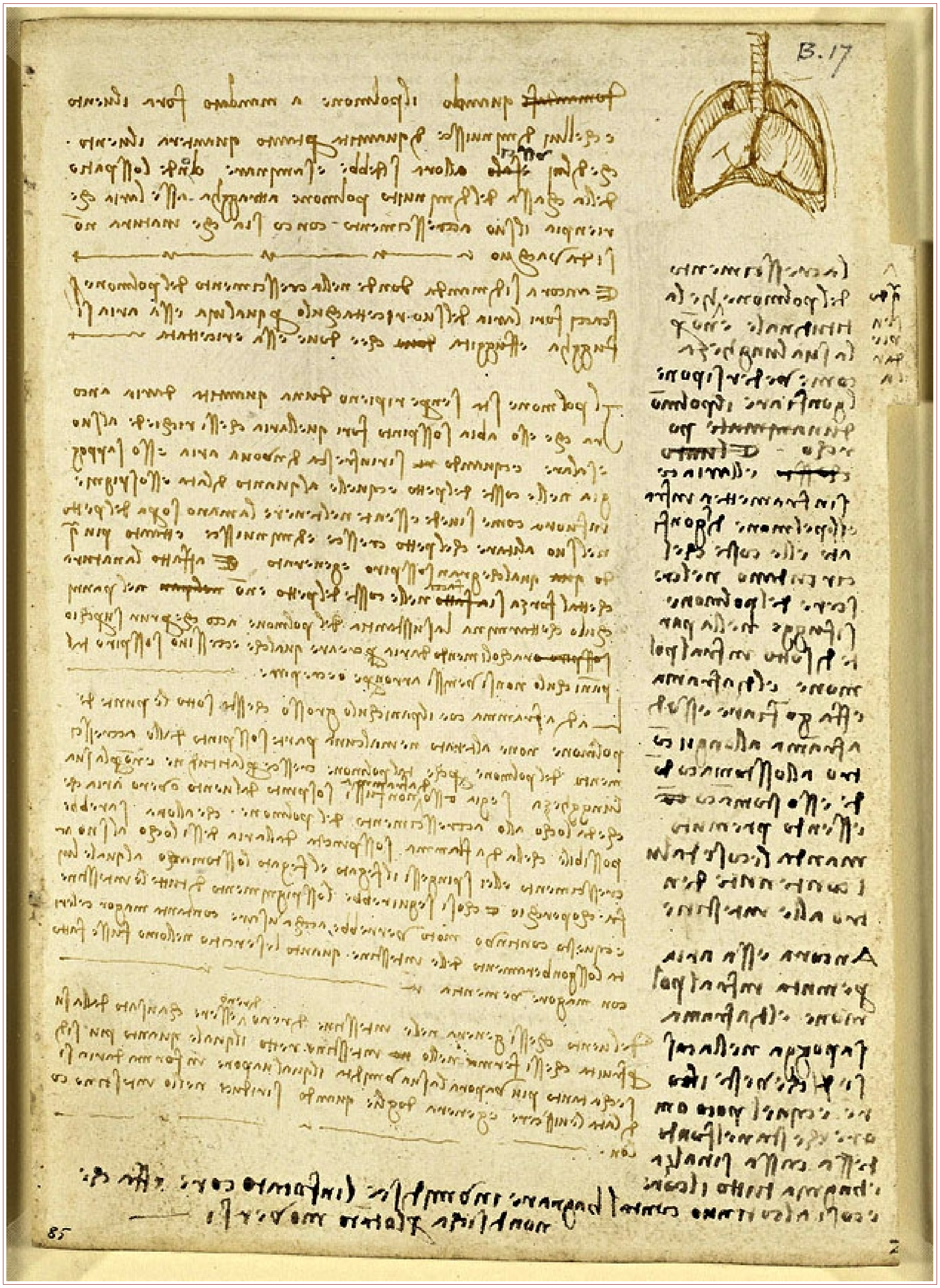
Układ Krwionośny Bioder
Anatomical Drawing of Pelvic Blood Vessels
Leonardo da Vinci



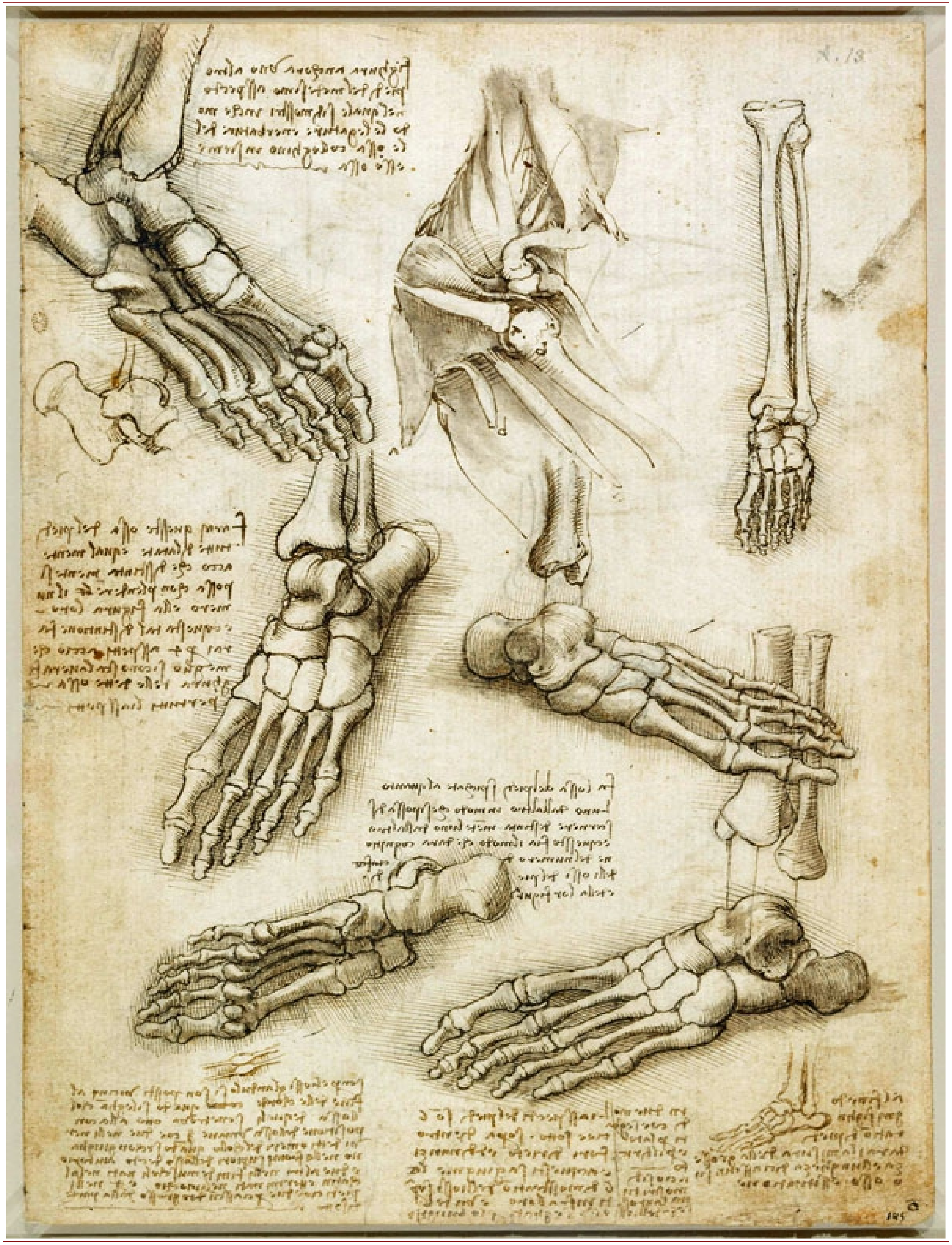
Studium Anatomiczne Ramion, Karku i Stop
The Anatomy of the Shoulder, Neck and Feet.



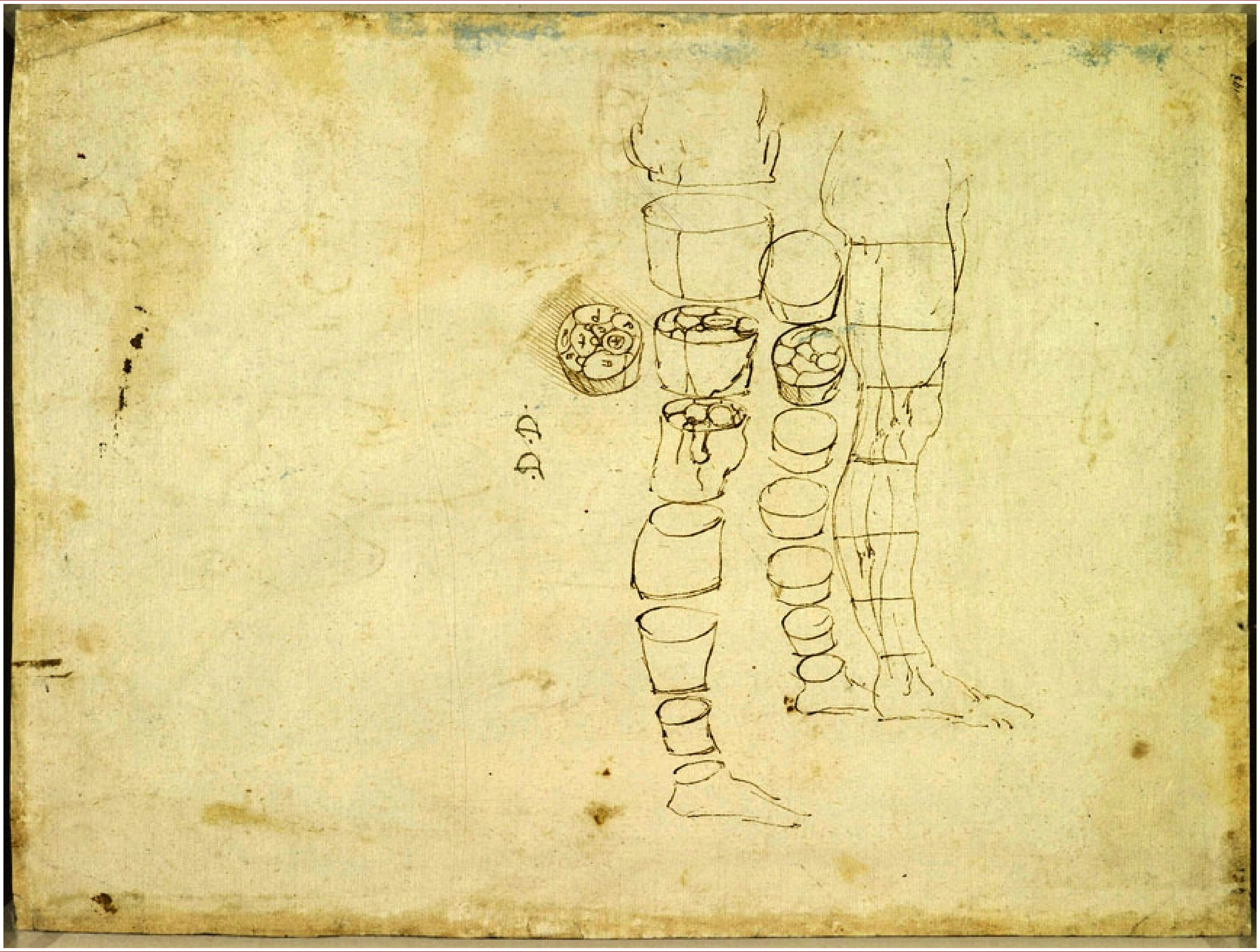
Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci



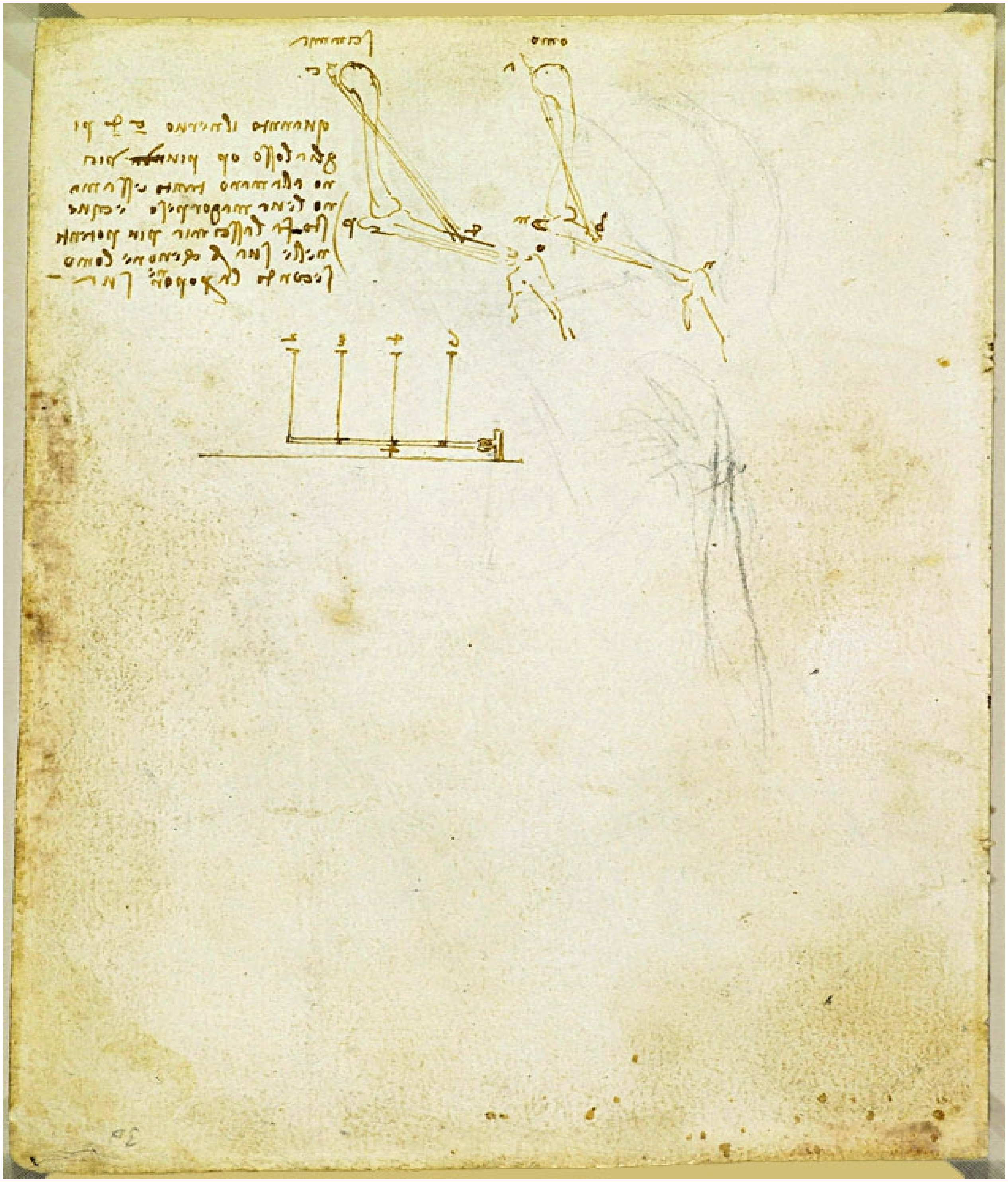
System Oddechowy
Respiratory System
Leonardo da Vinci



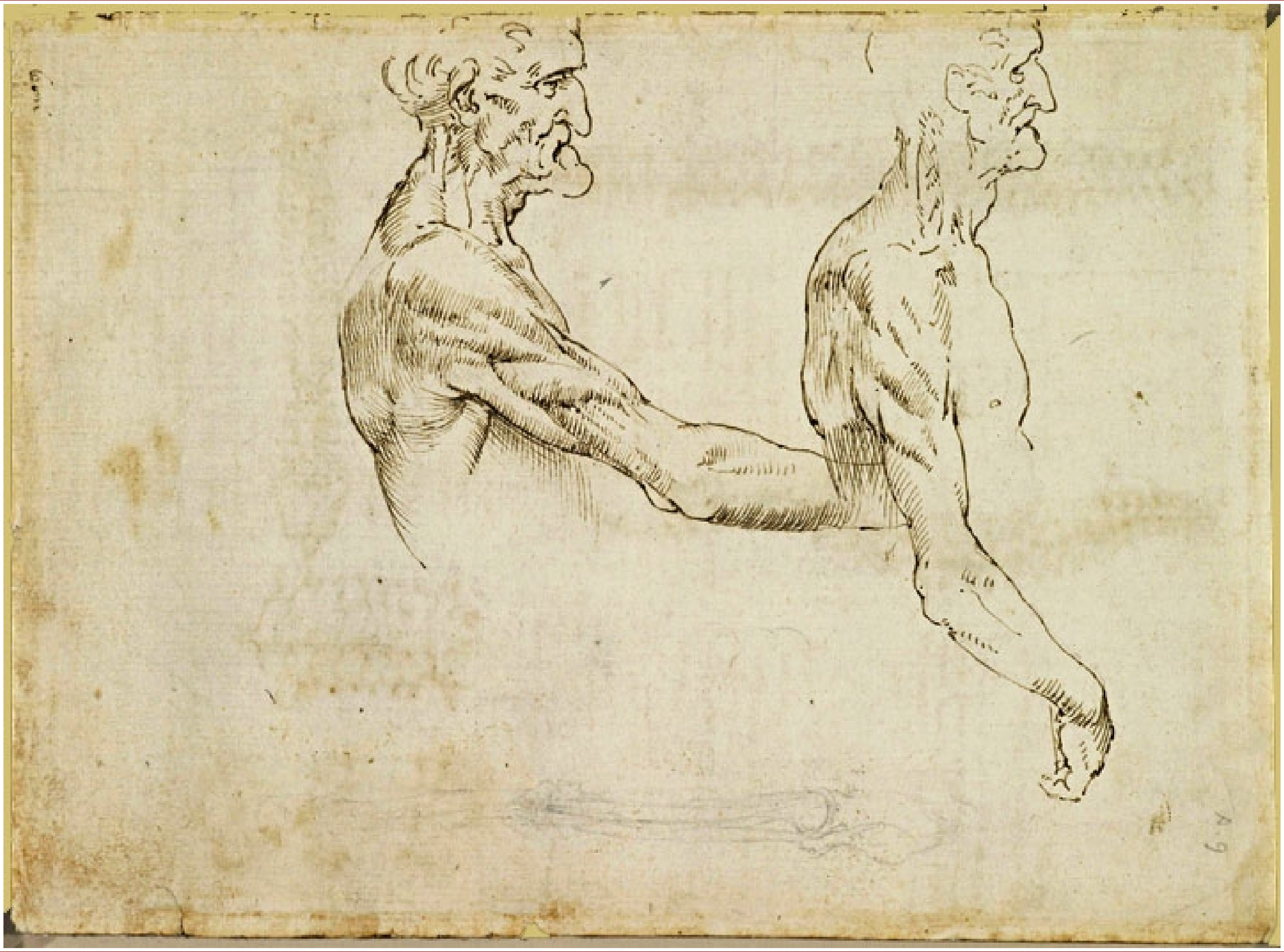
Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci



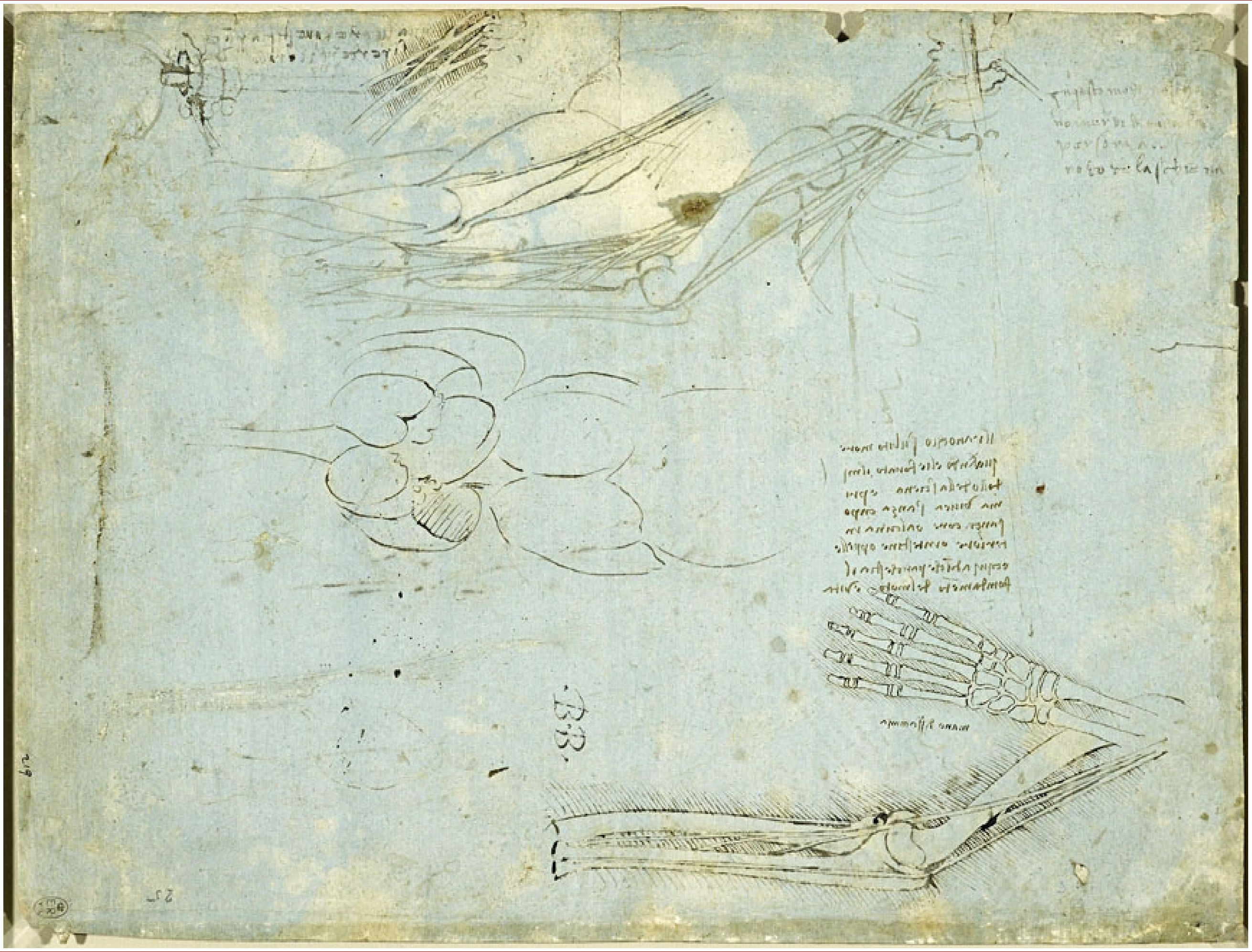
Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci



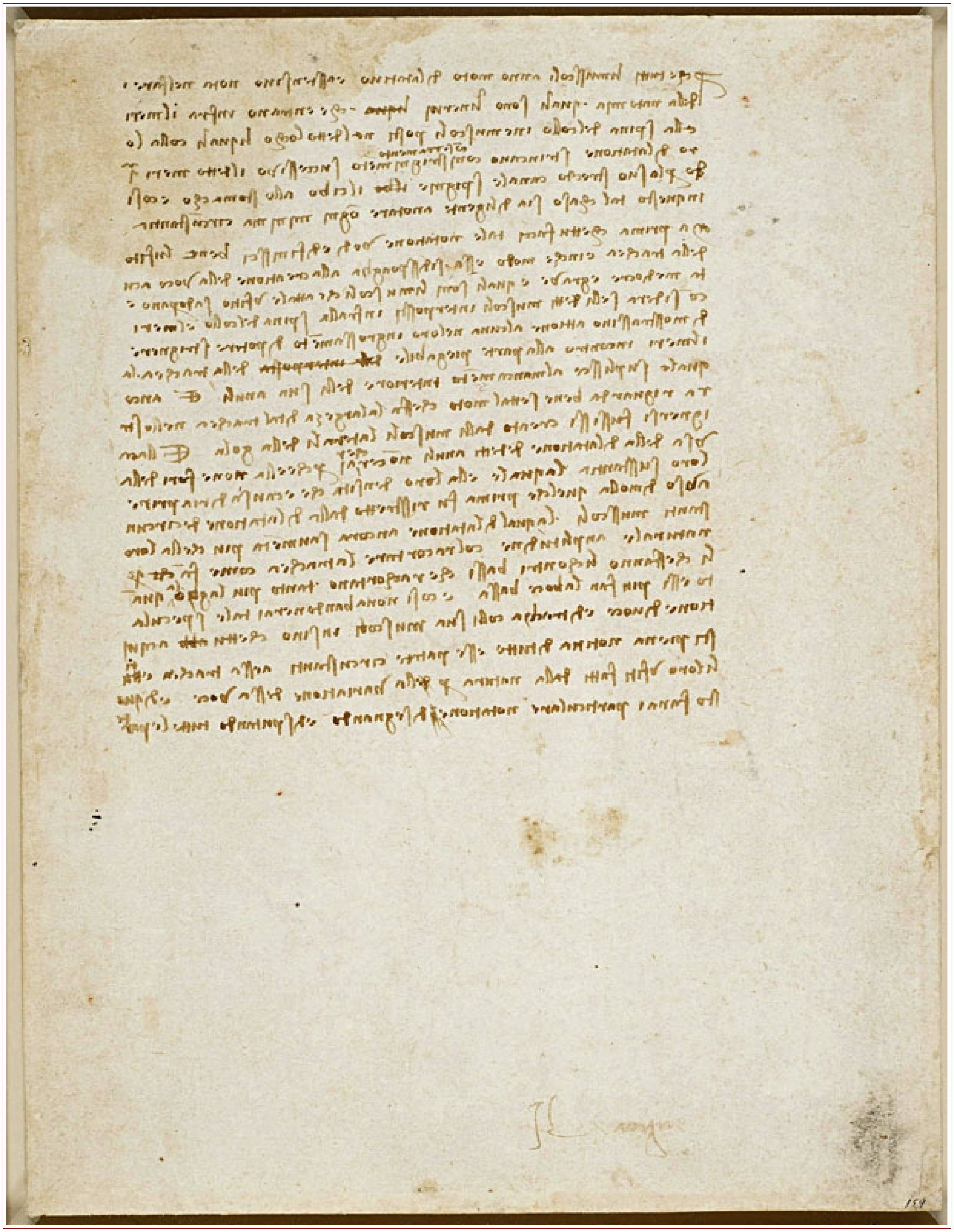
Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci



Studium Anatomiczne
Anatomia Studies
Leonardo da Vinci



Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci

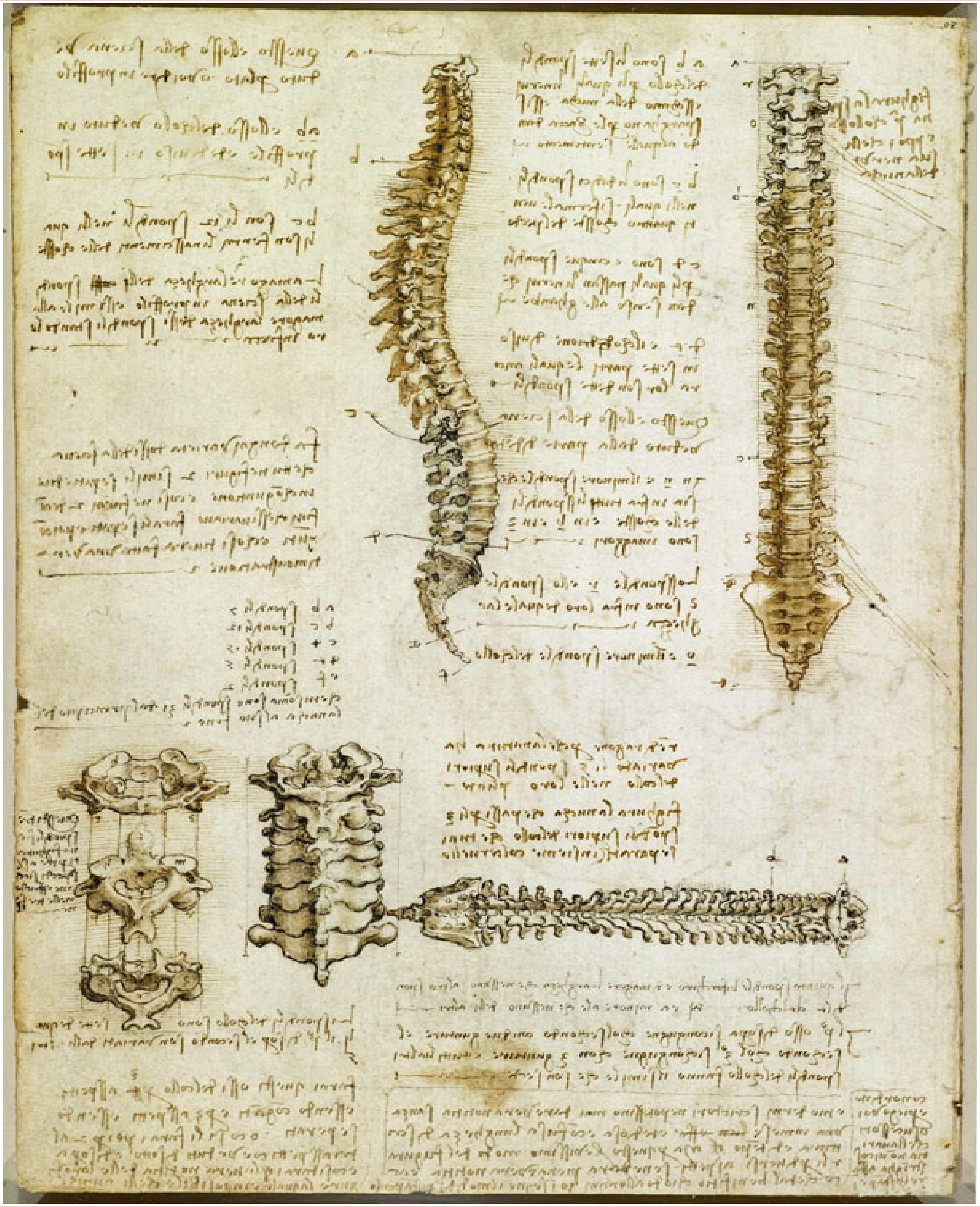


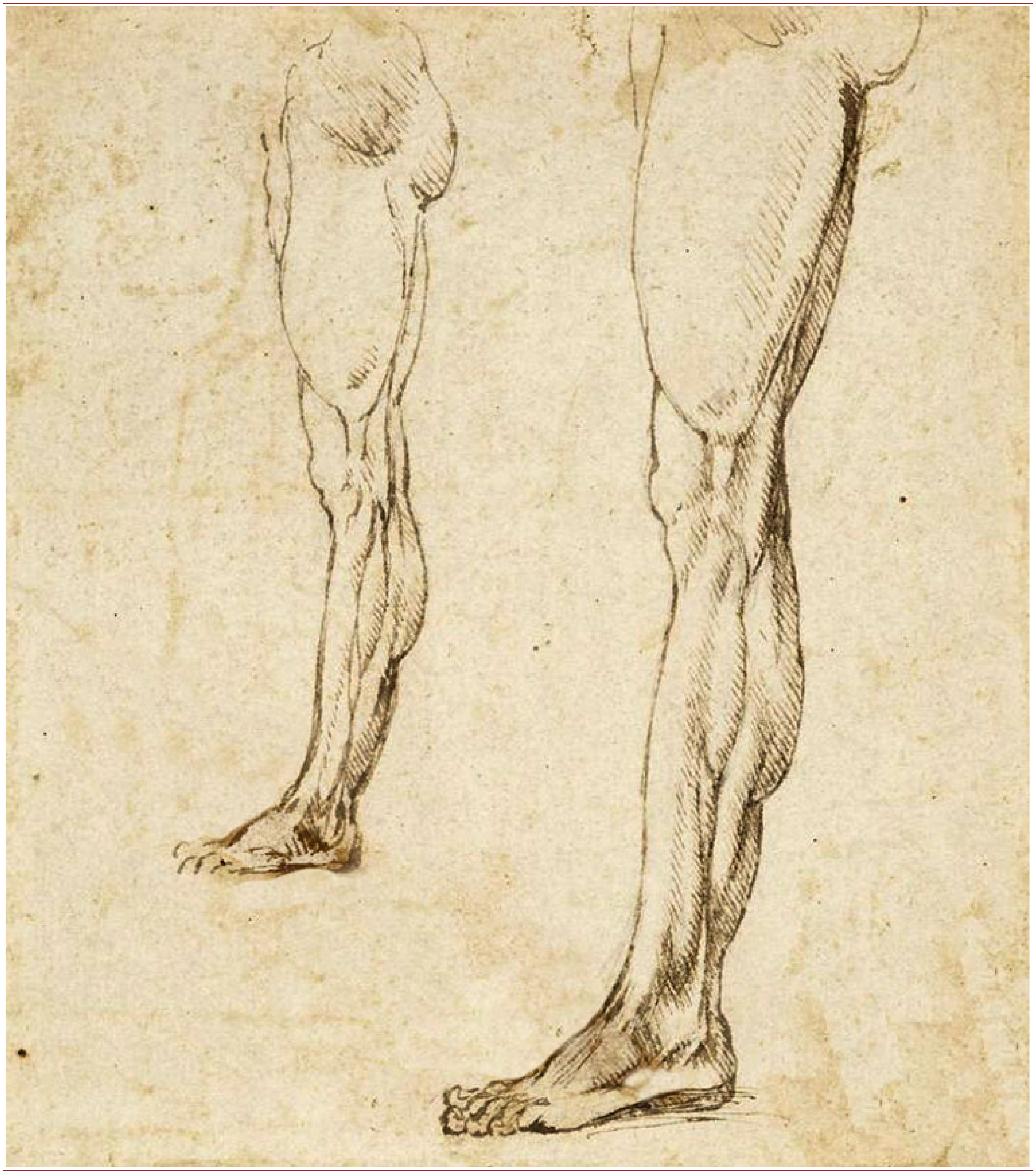
Notatki o Przełykaniu (?)
Anatomical Notes on Swallowing
Leonardo da Vinci

Studium Anatomiczne. Naczynia Krwionośne Ramion.
Anatomical Studies. Veins of Arms.

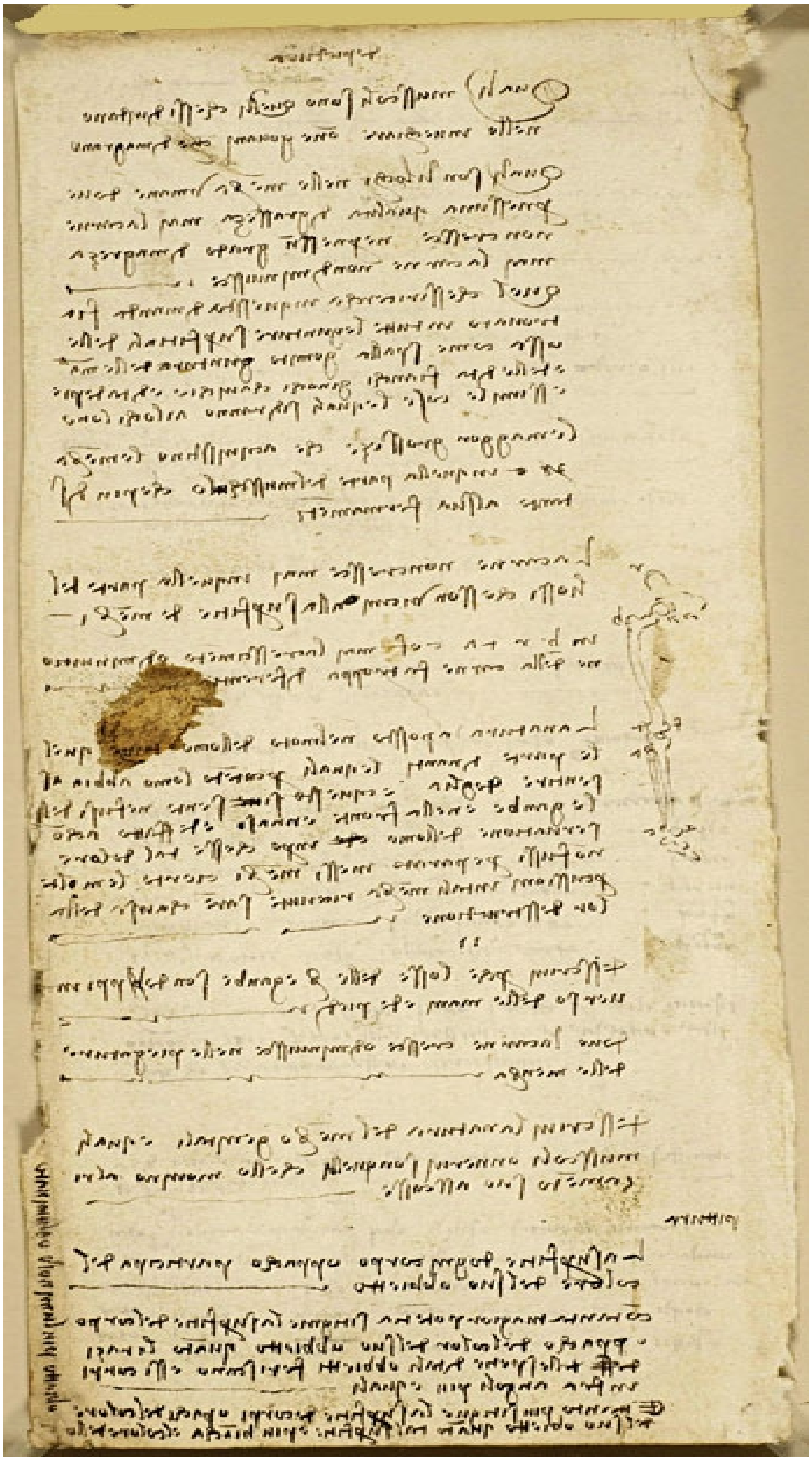
Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci

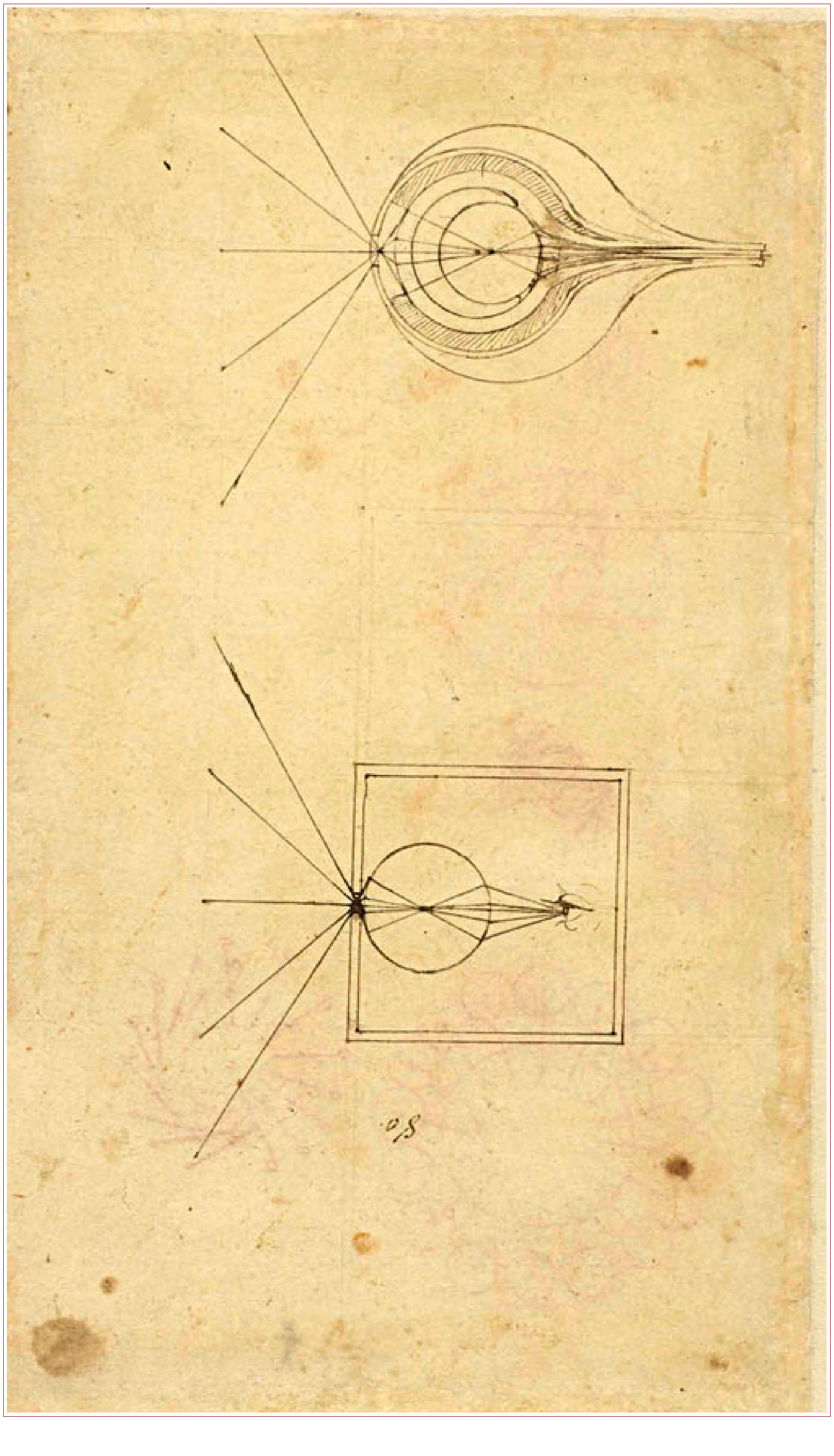
Studium Anatomiczne
Anatomical Studies





Studium Anatomiczne
Anatomical Studies





Ludzkie Oko
Human Eye
Leonardo da Vinci

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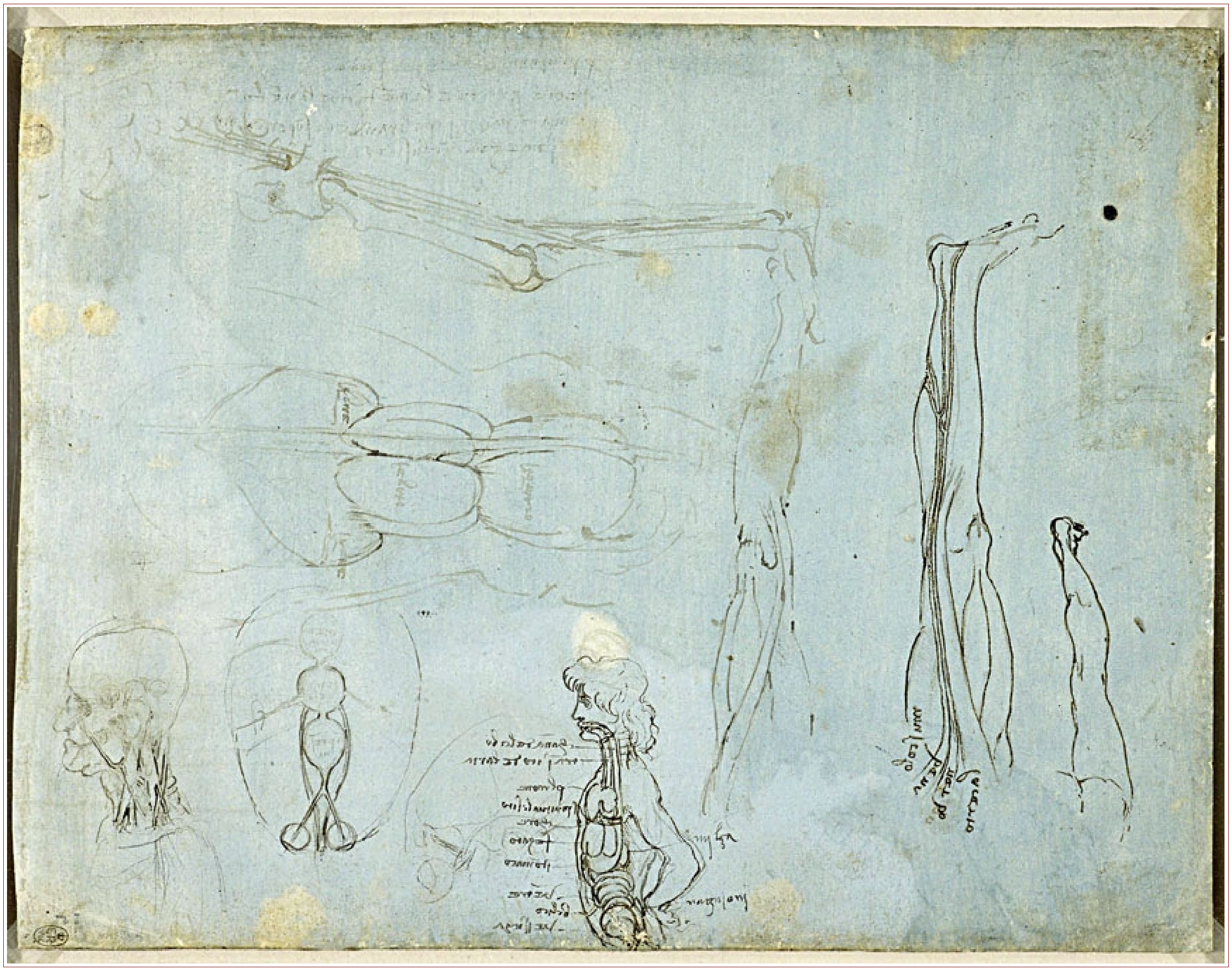
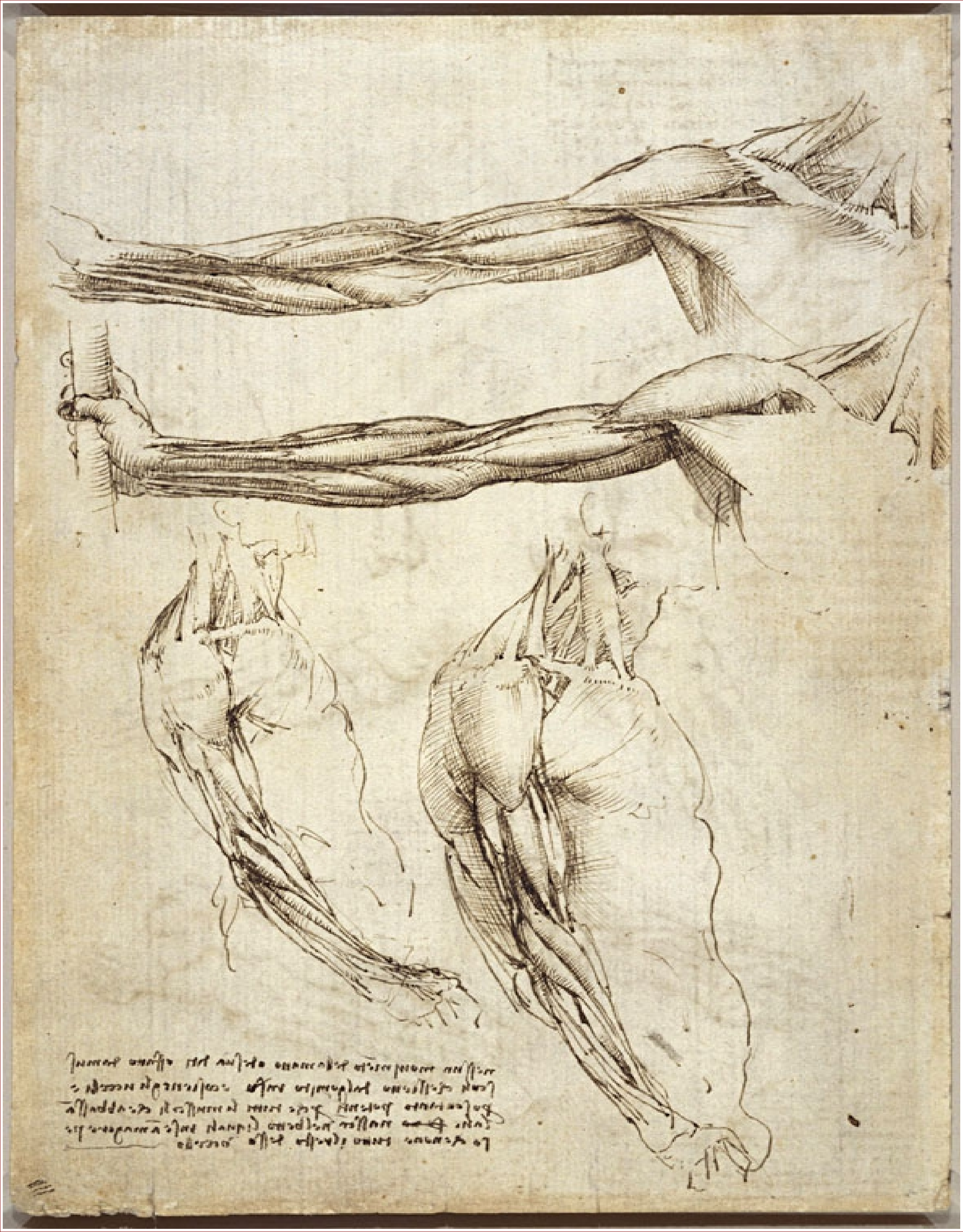
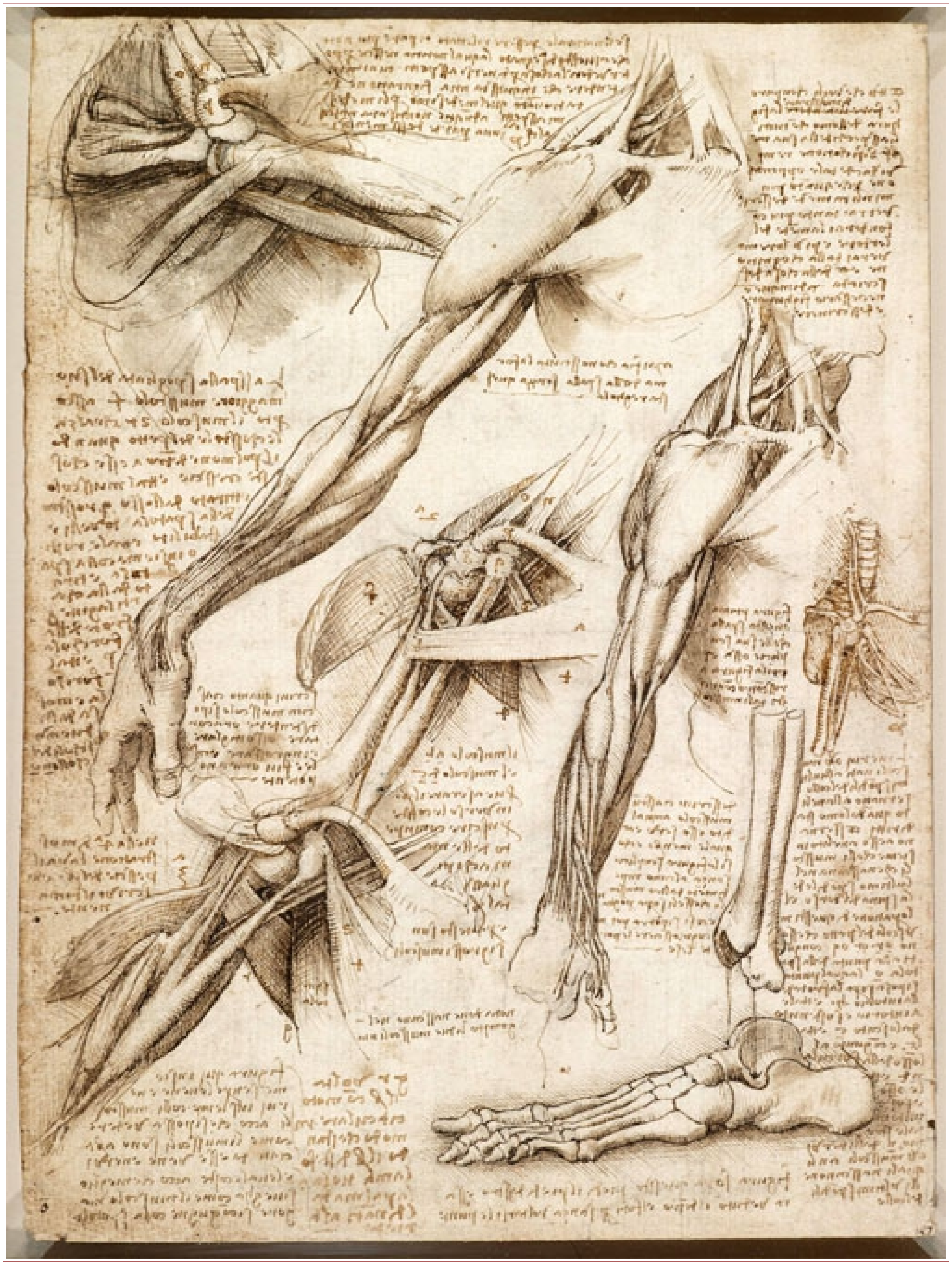


Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci



Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci



Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci

Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci

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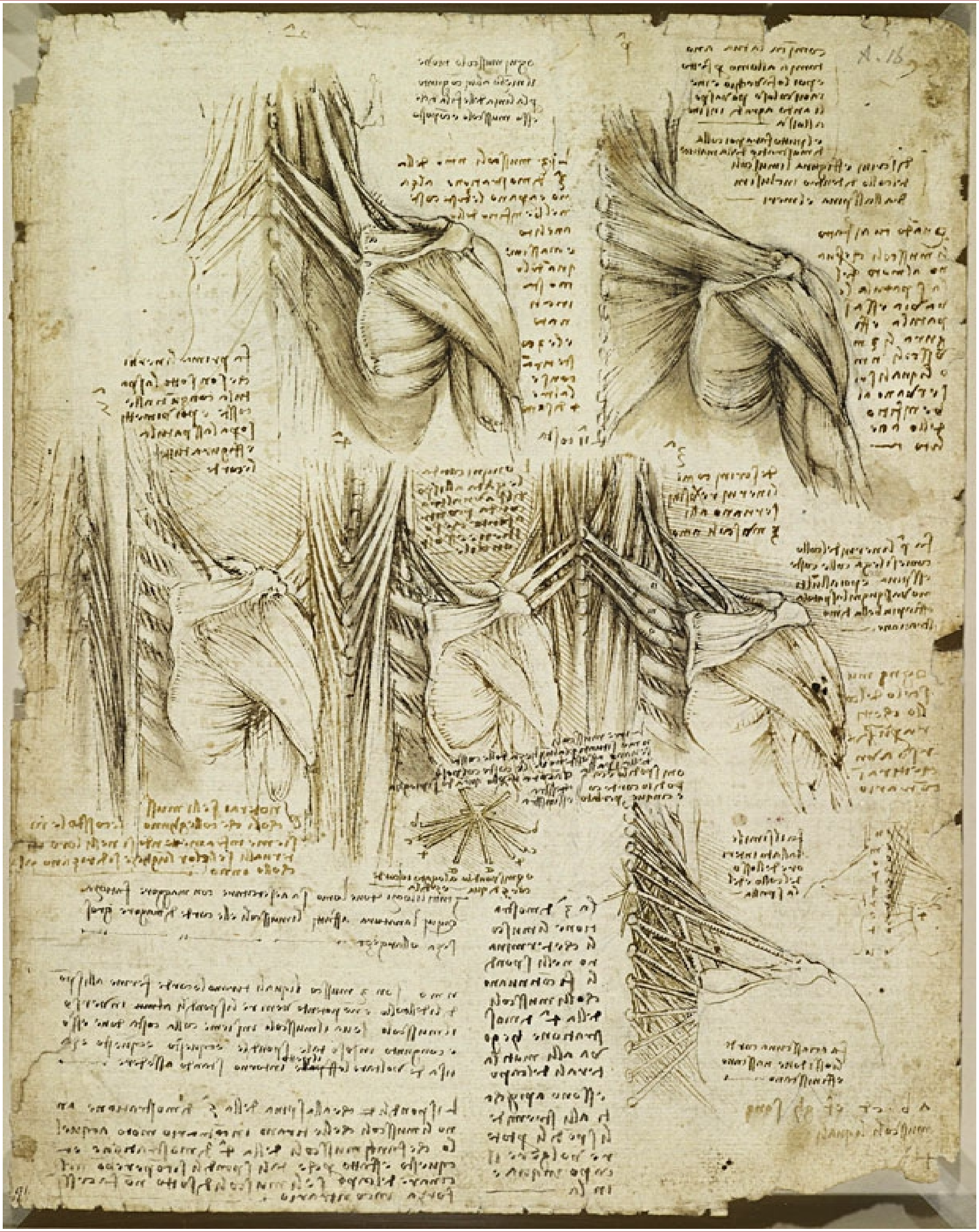
Leonardo da Vinci



Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci

Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci

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Leonardo da Vinci

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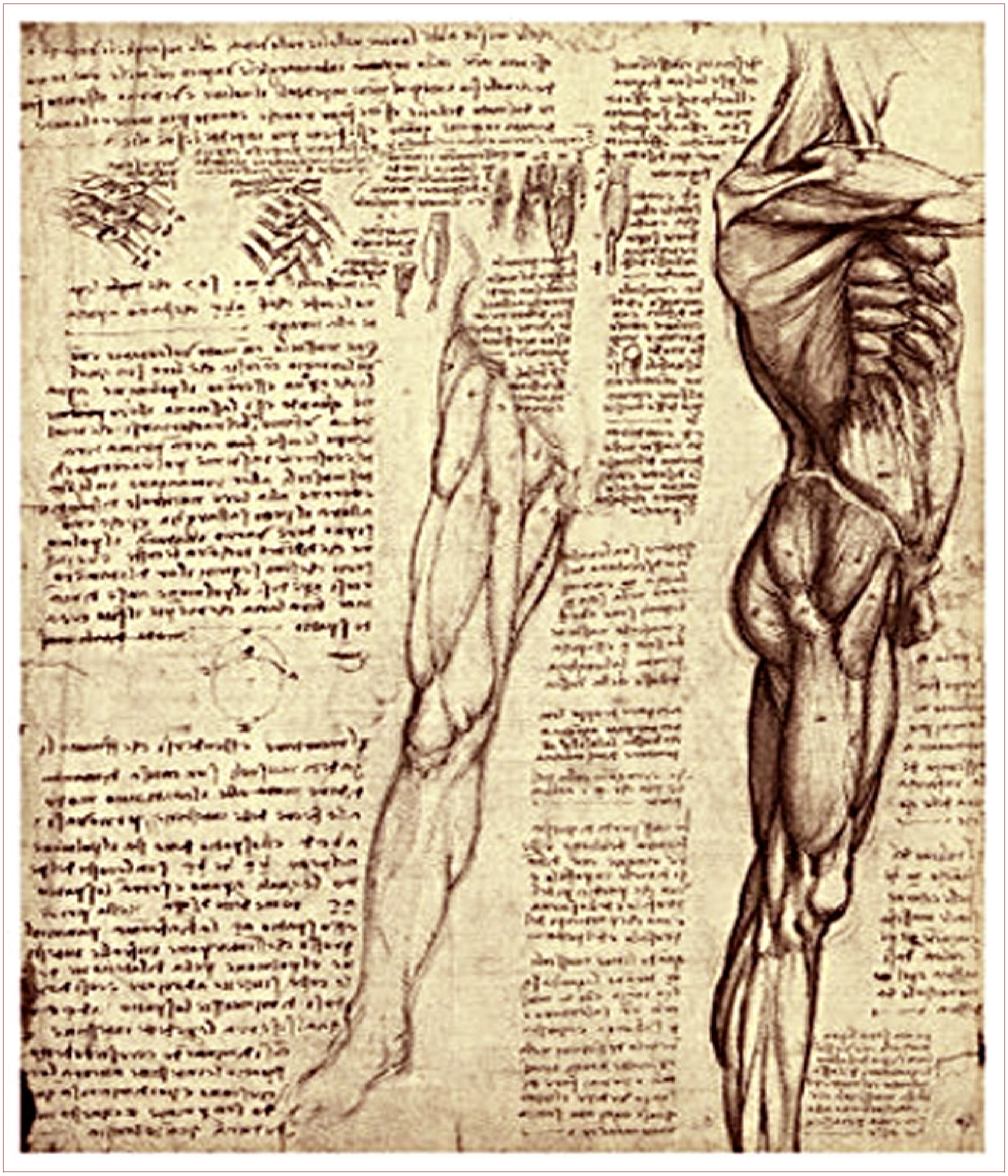
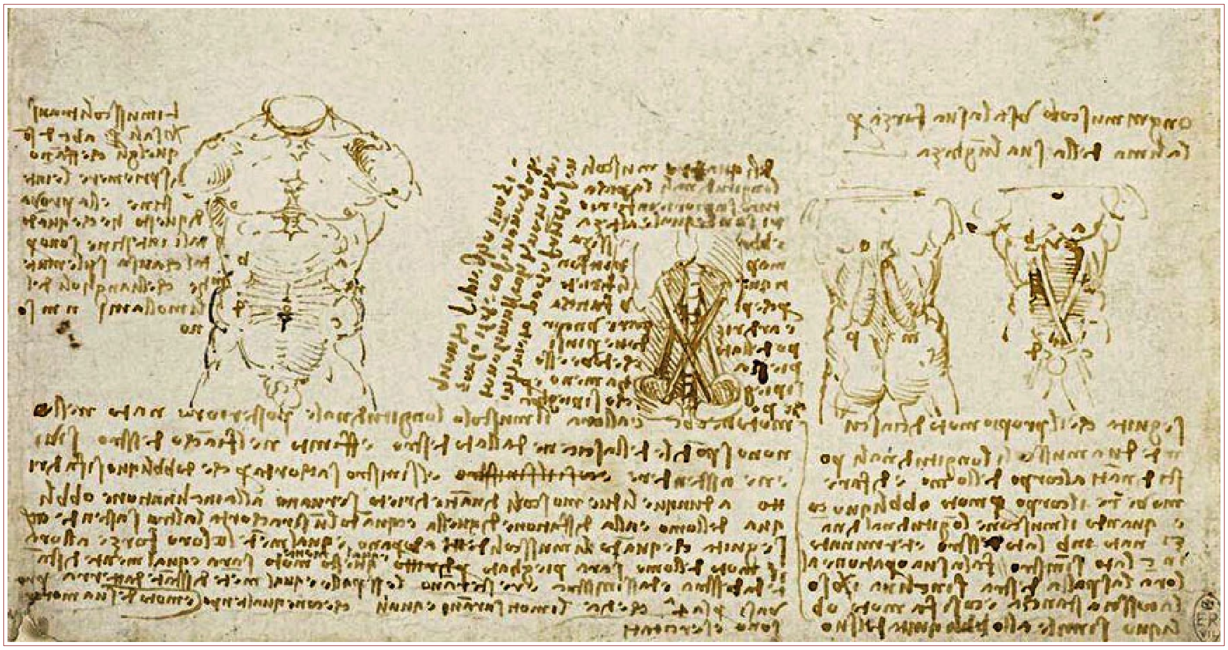
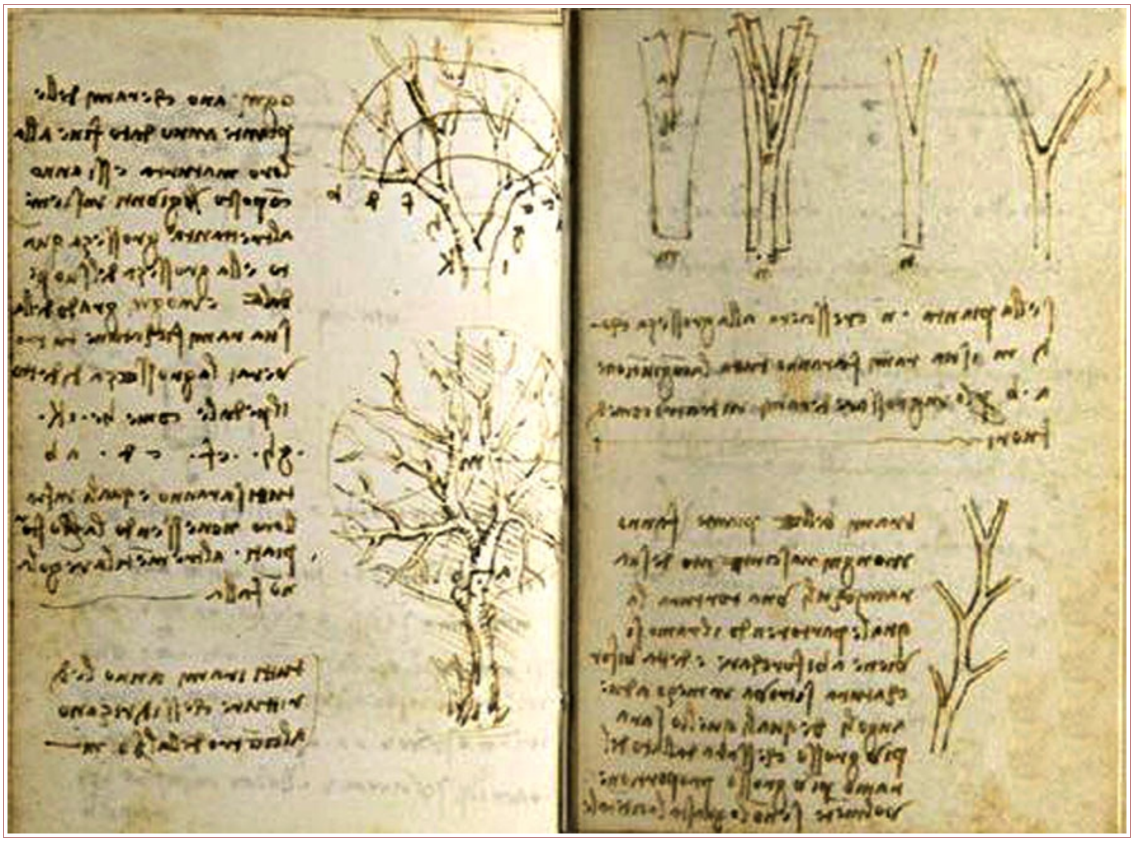
Leonardo da Vinci



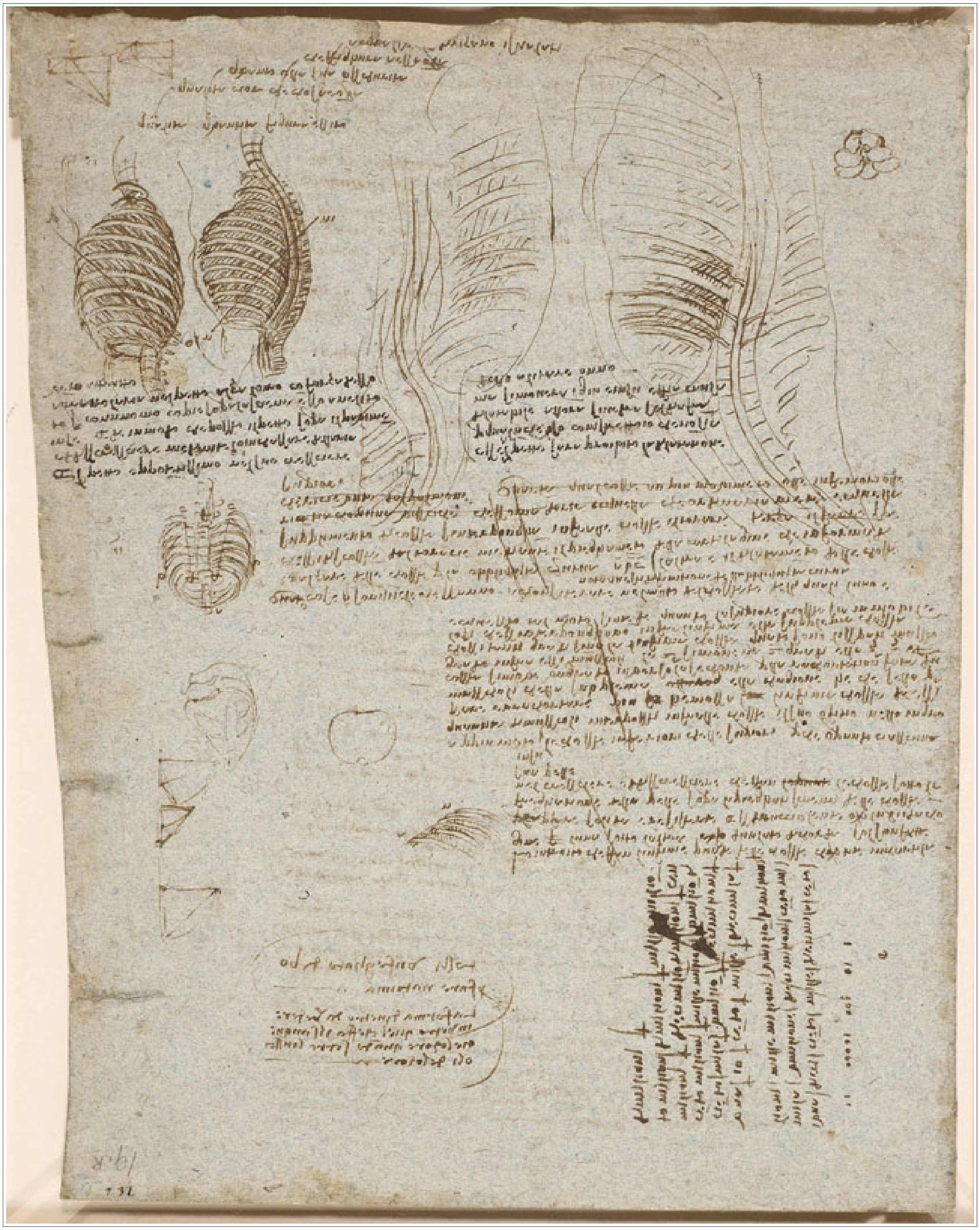
Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci



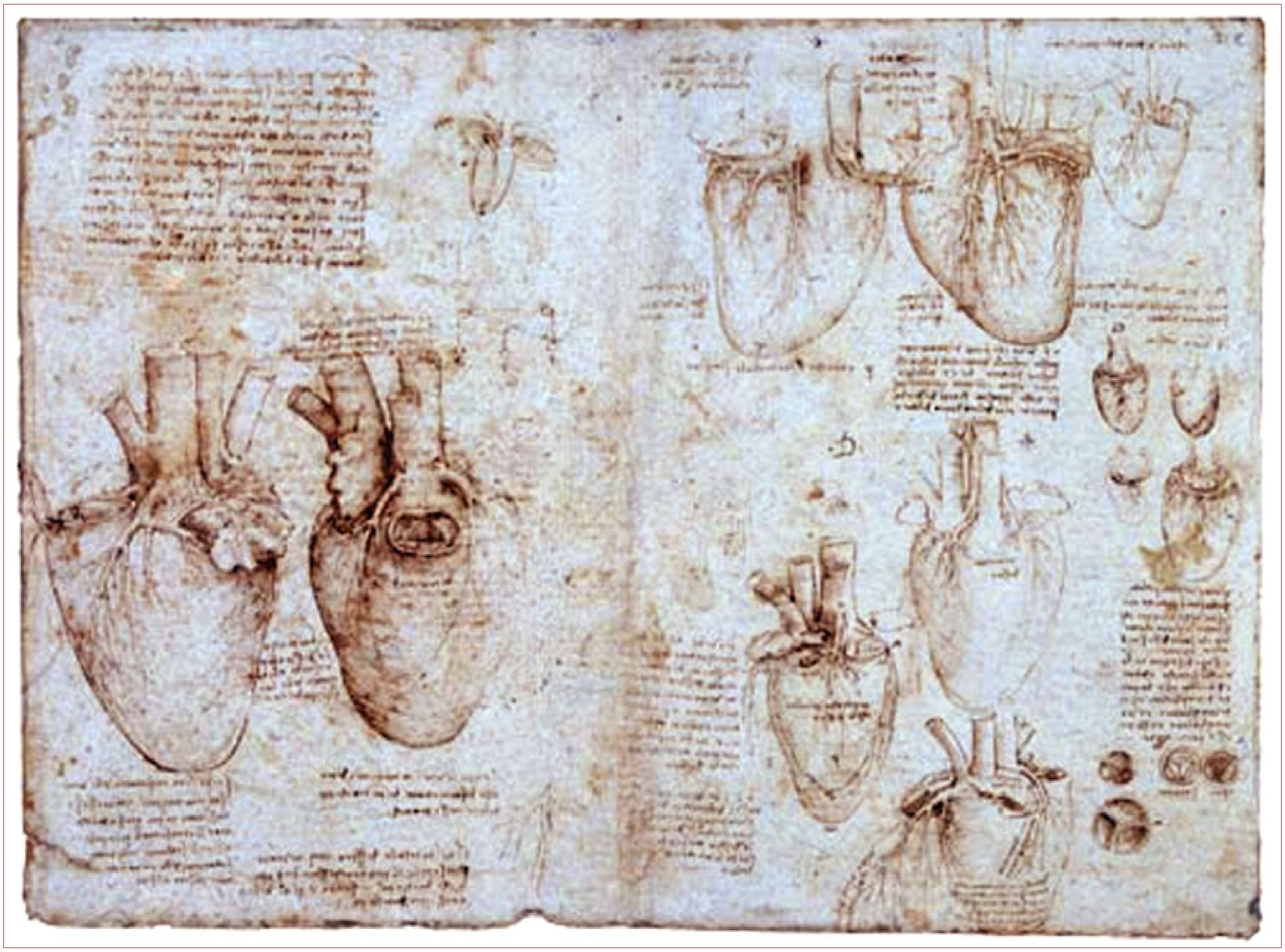
Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci



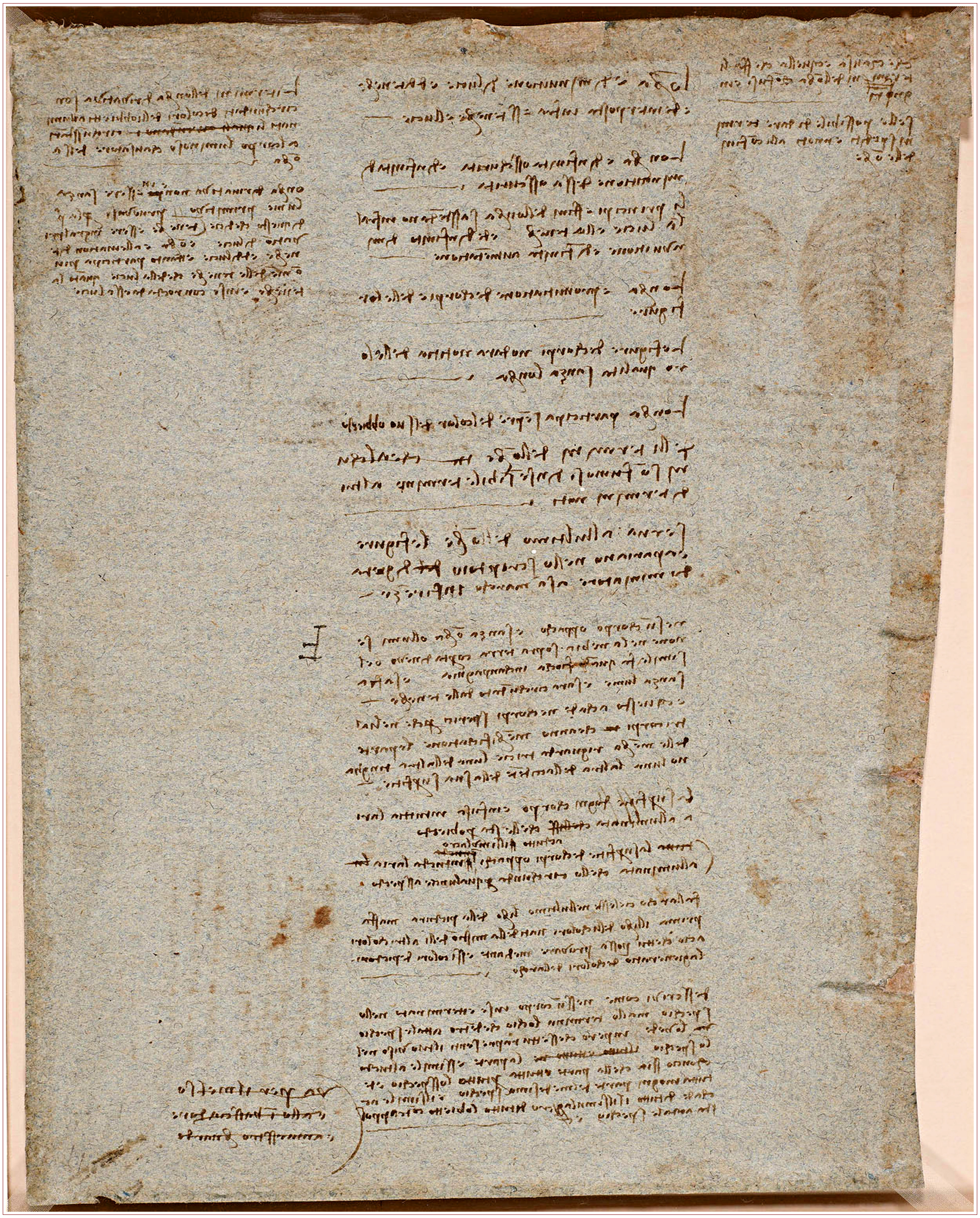
Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci



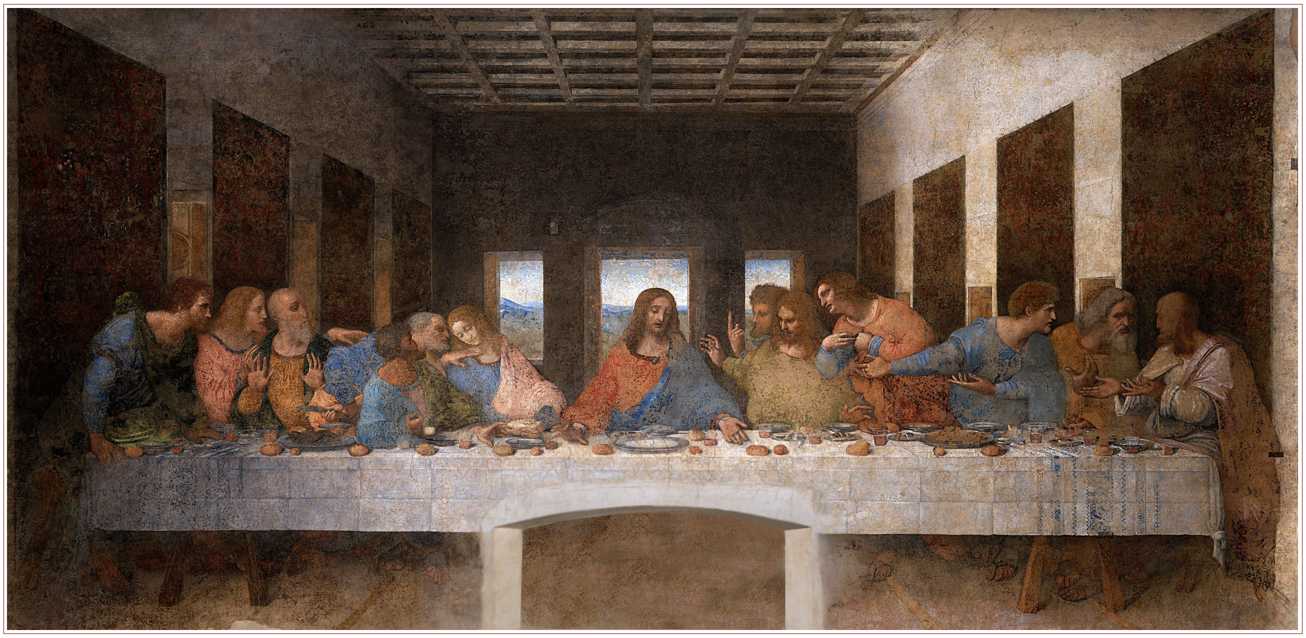
Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci



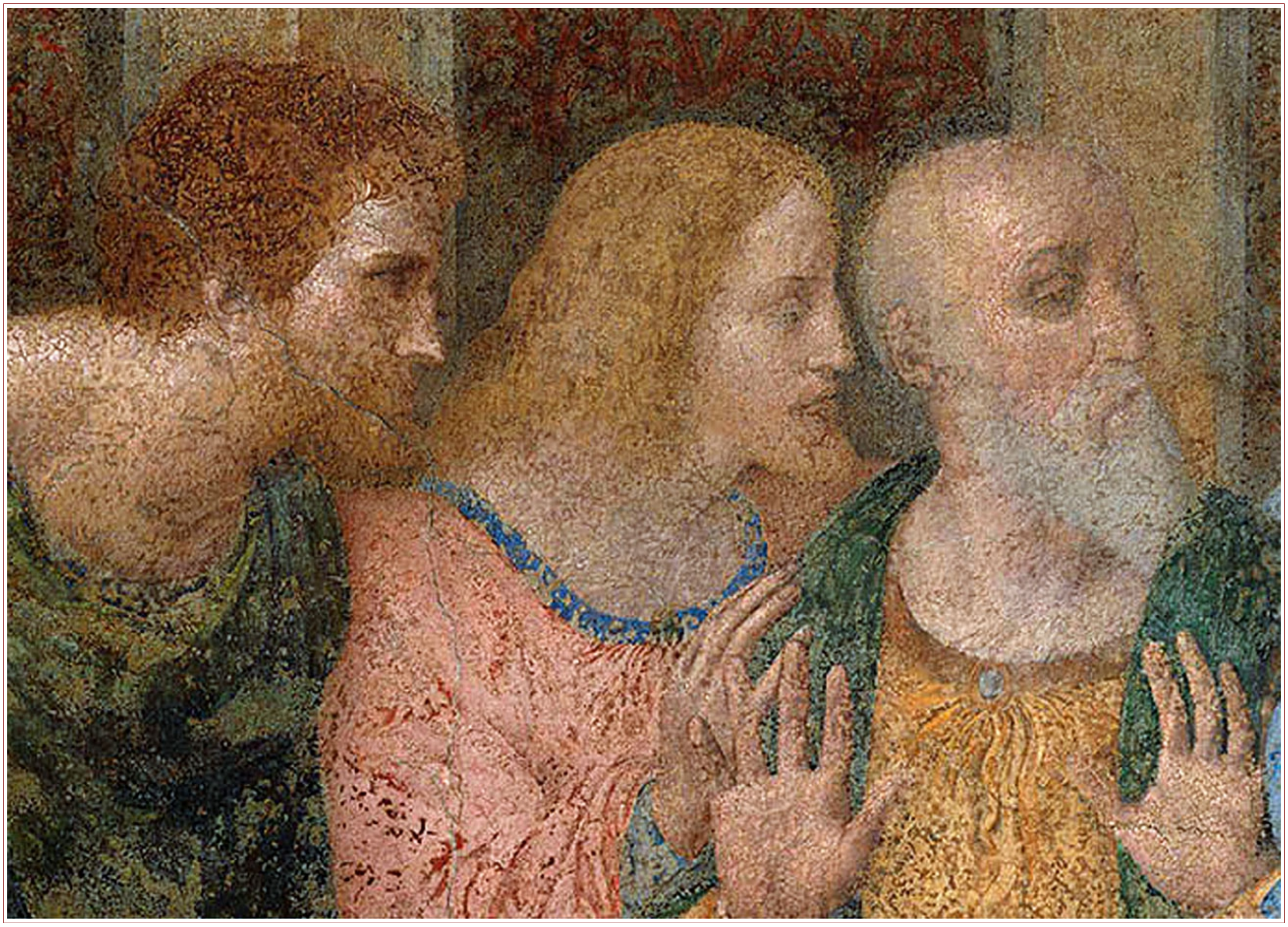
Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci



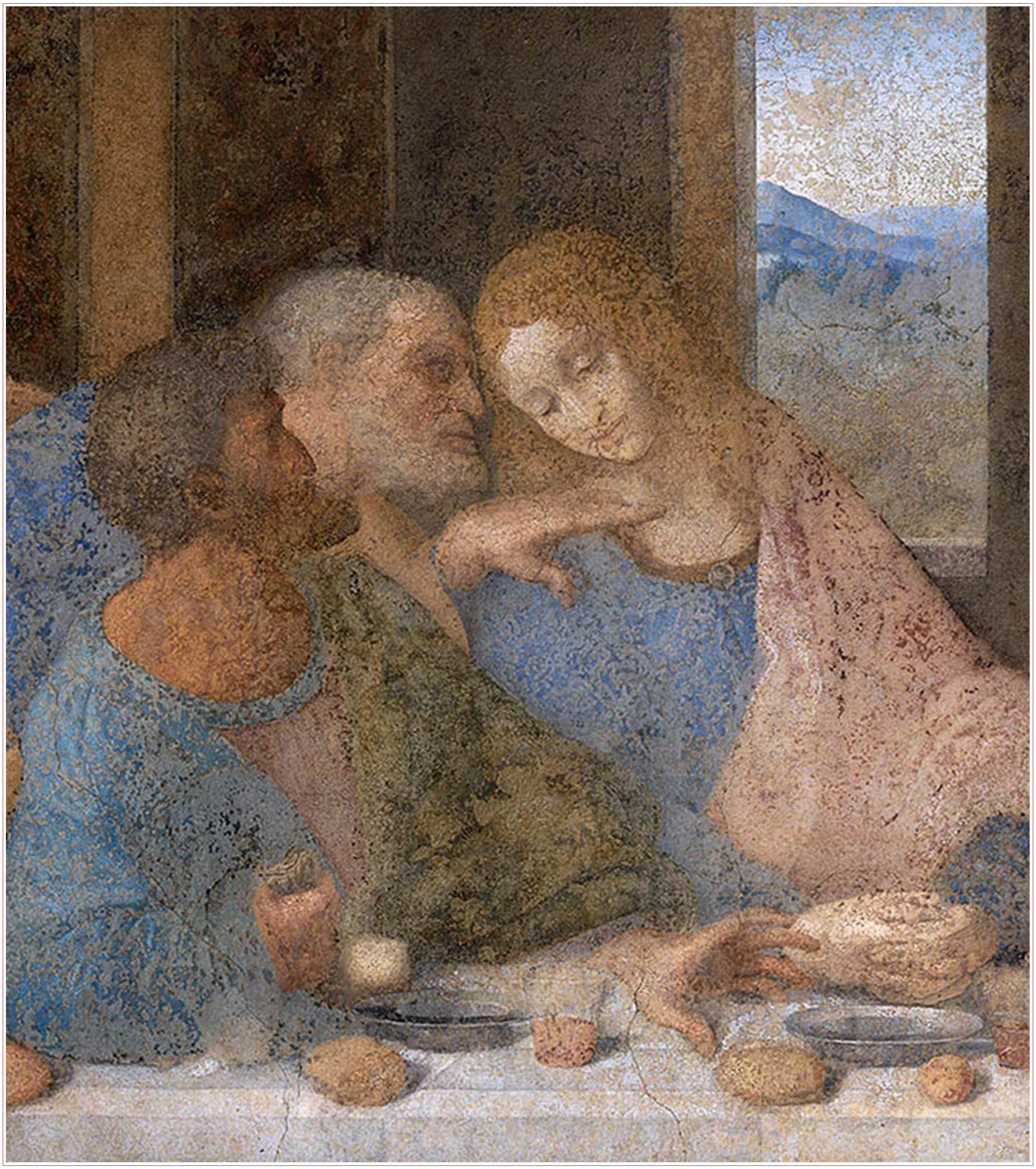
Studium Anatomiczne o Krtani. Notatki o Malarstwie
Anatomical Studies about Thorax and Notes about Art of Painting
Leonardo da Vinci



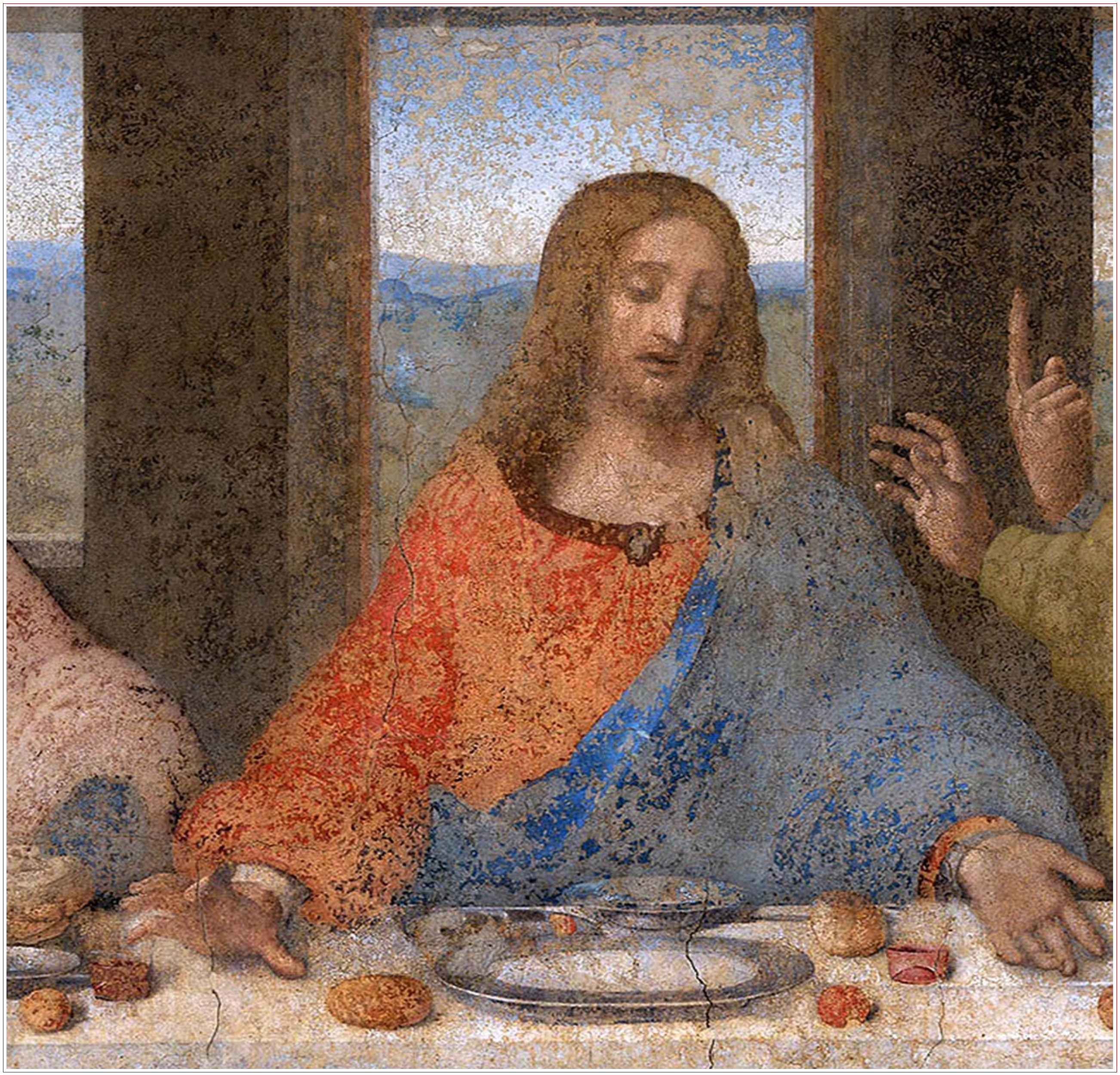
Last Supper
Leonardo da Vinci



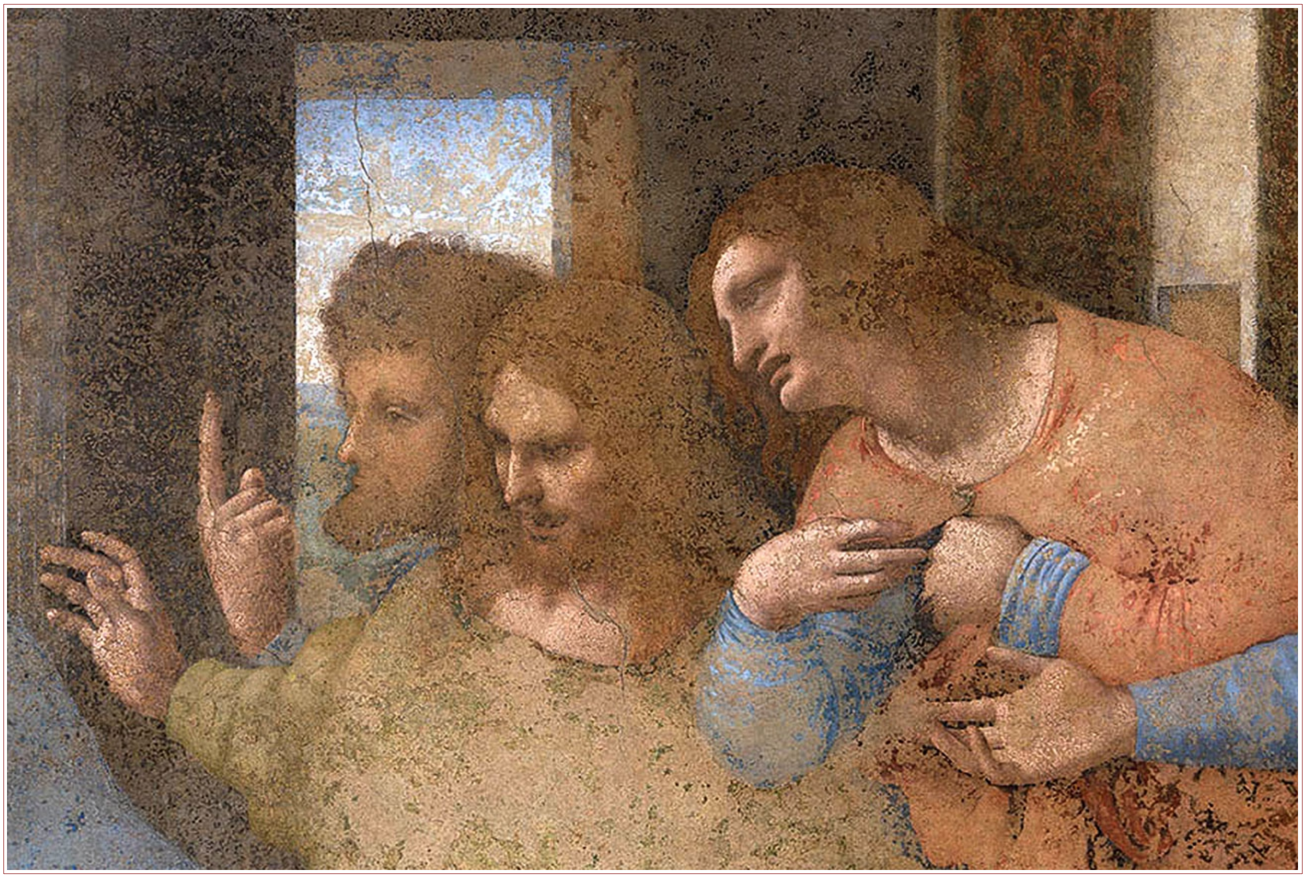
Ostatnia Wieczerza
Last Supper
Leonardo da Vinci



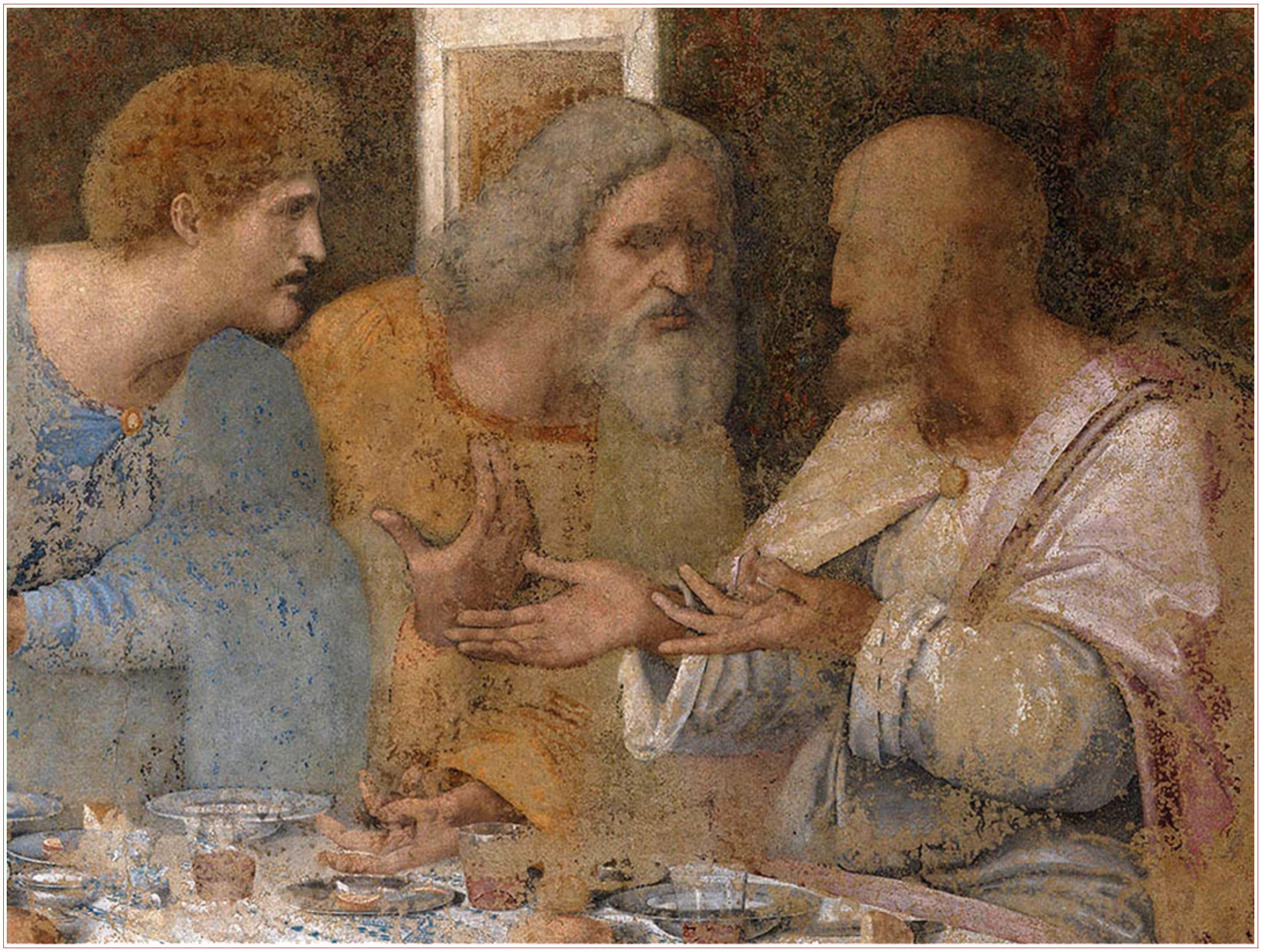
Last Supper
Lenonardo da Vinci



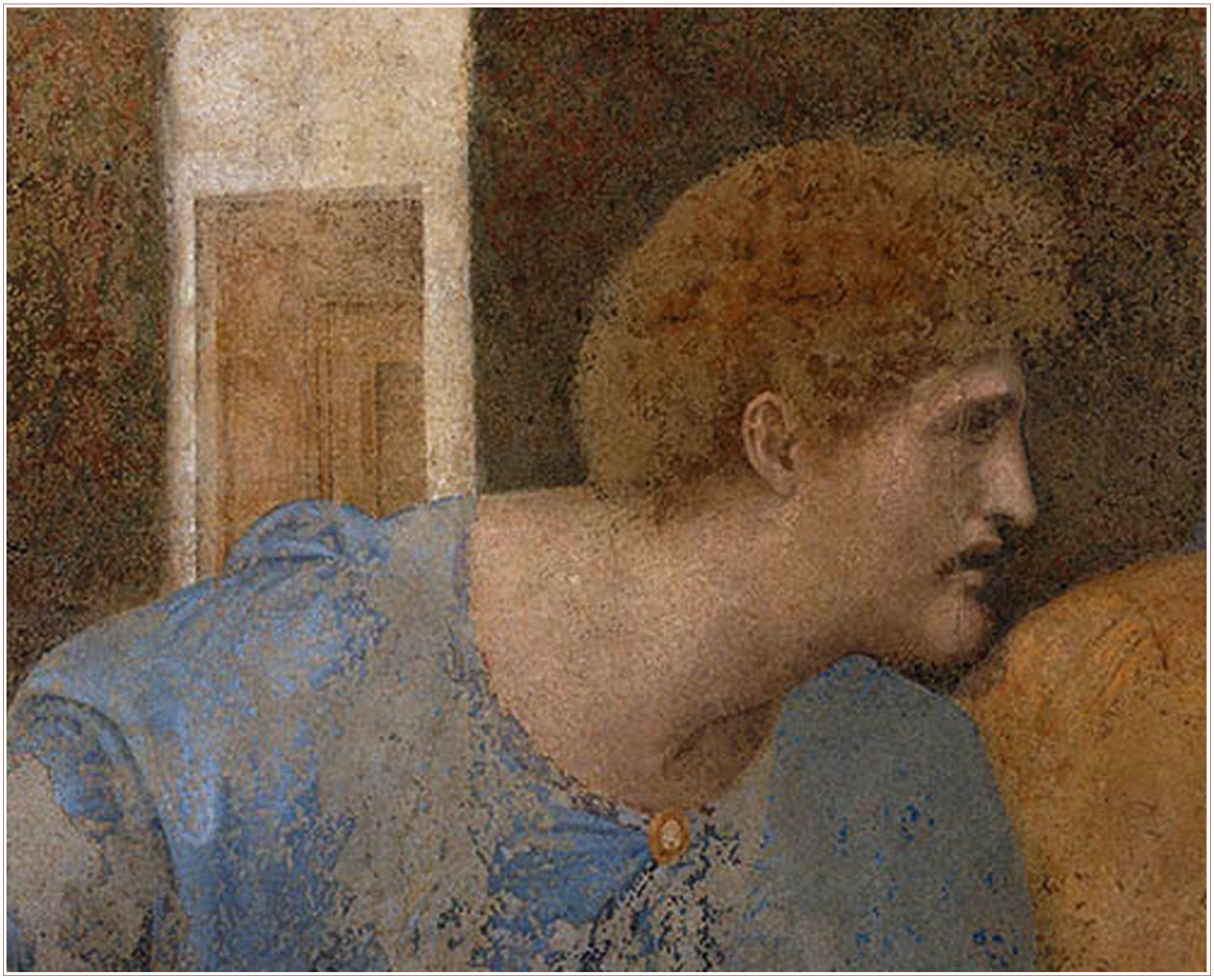
Last Supper
leonardo da Vinci



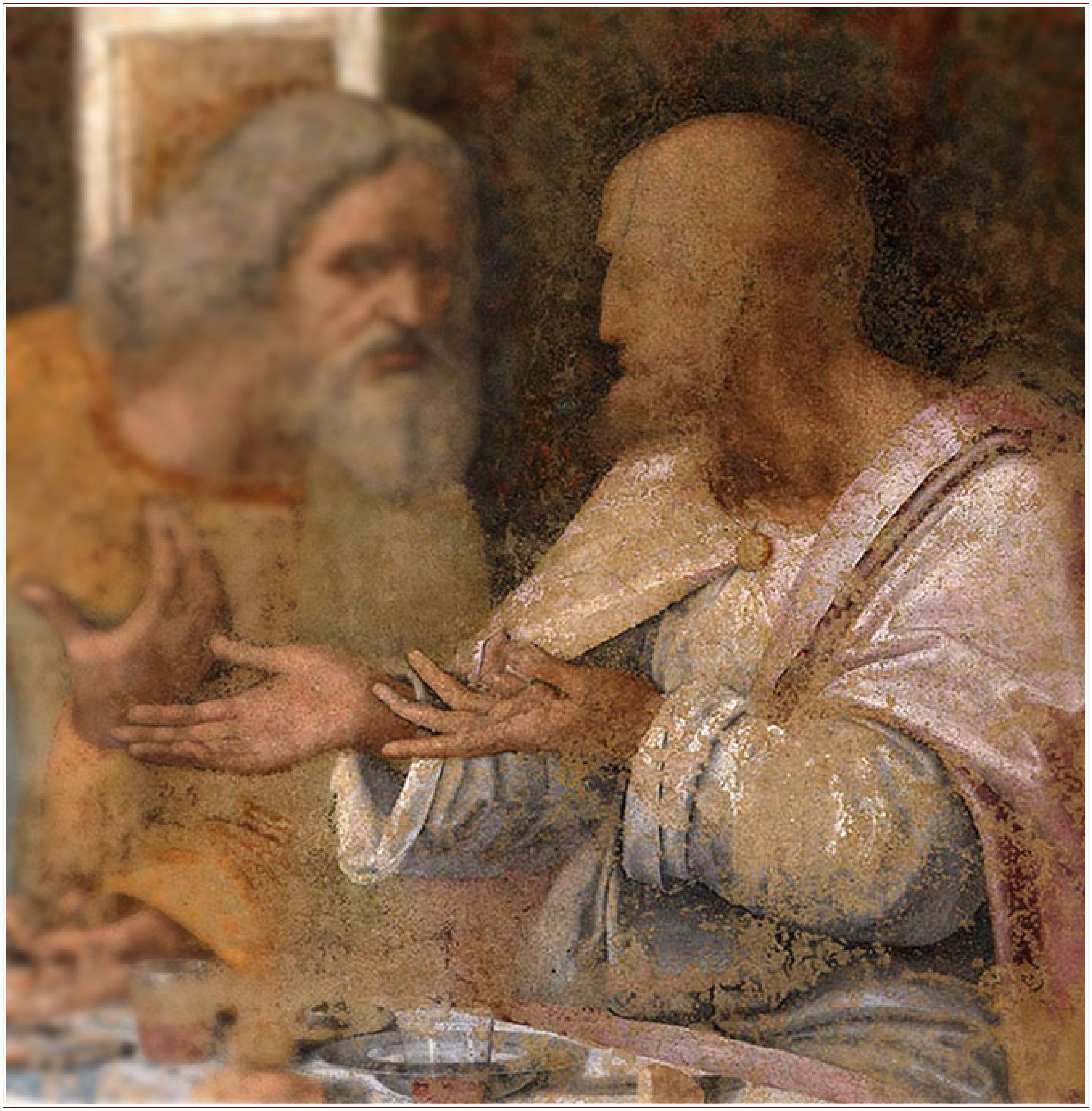
Last Supper
Leonardo da Vinci



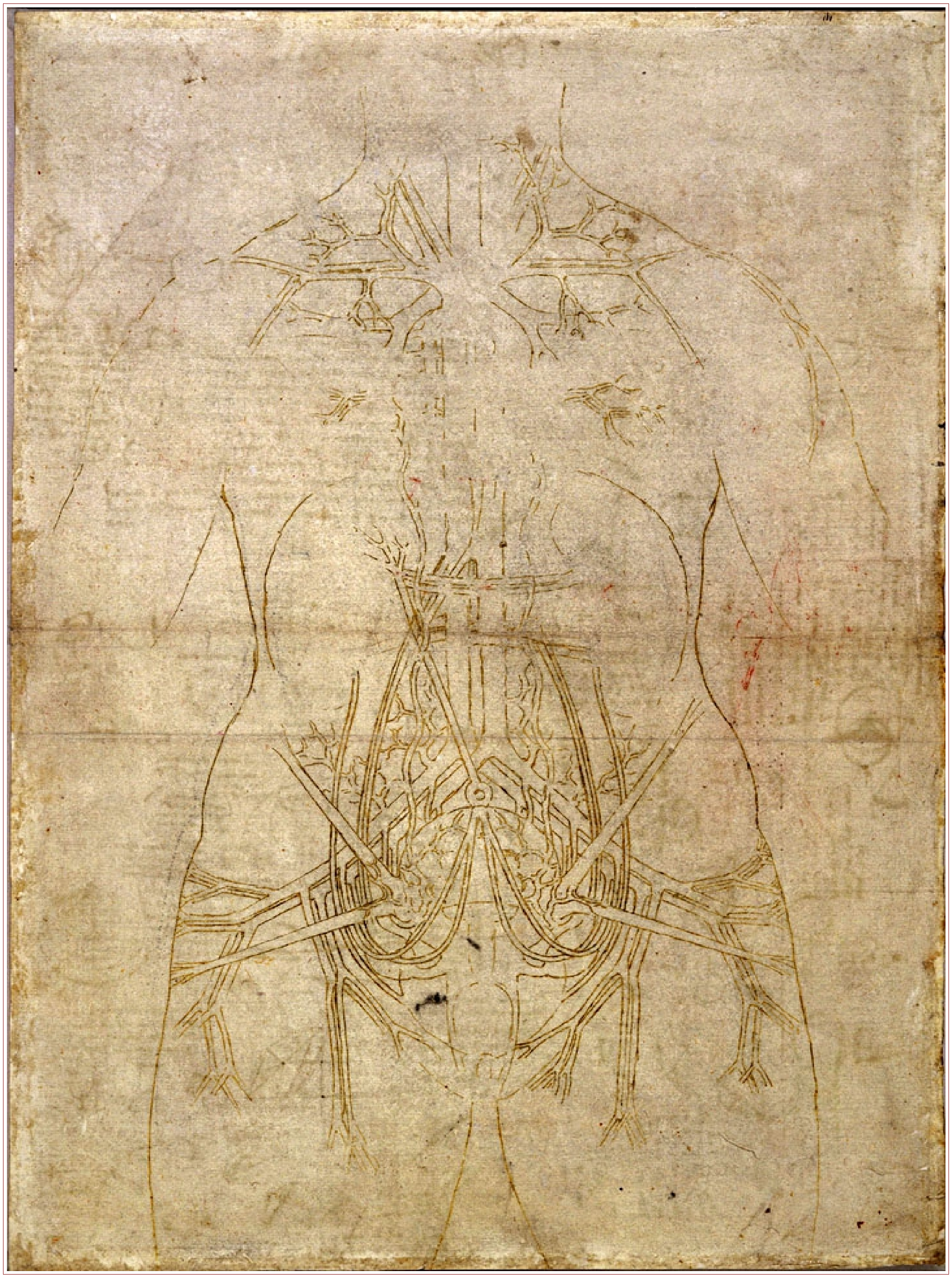
Last Supper
Leonardo da Vinci



Last Supper
Leonardo da Vinci

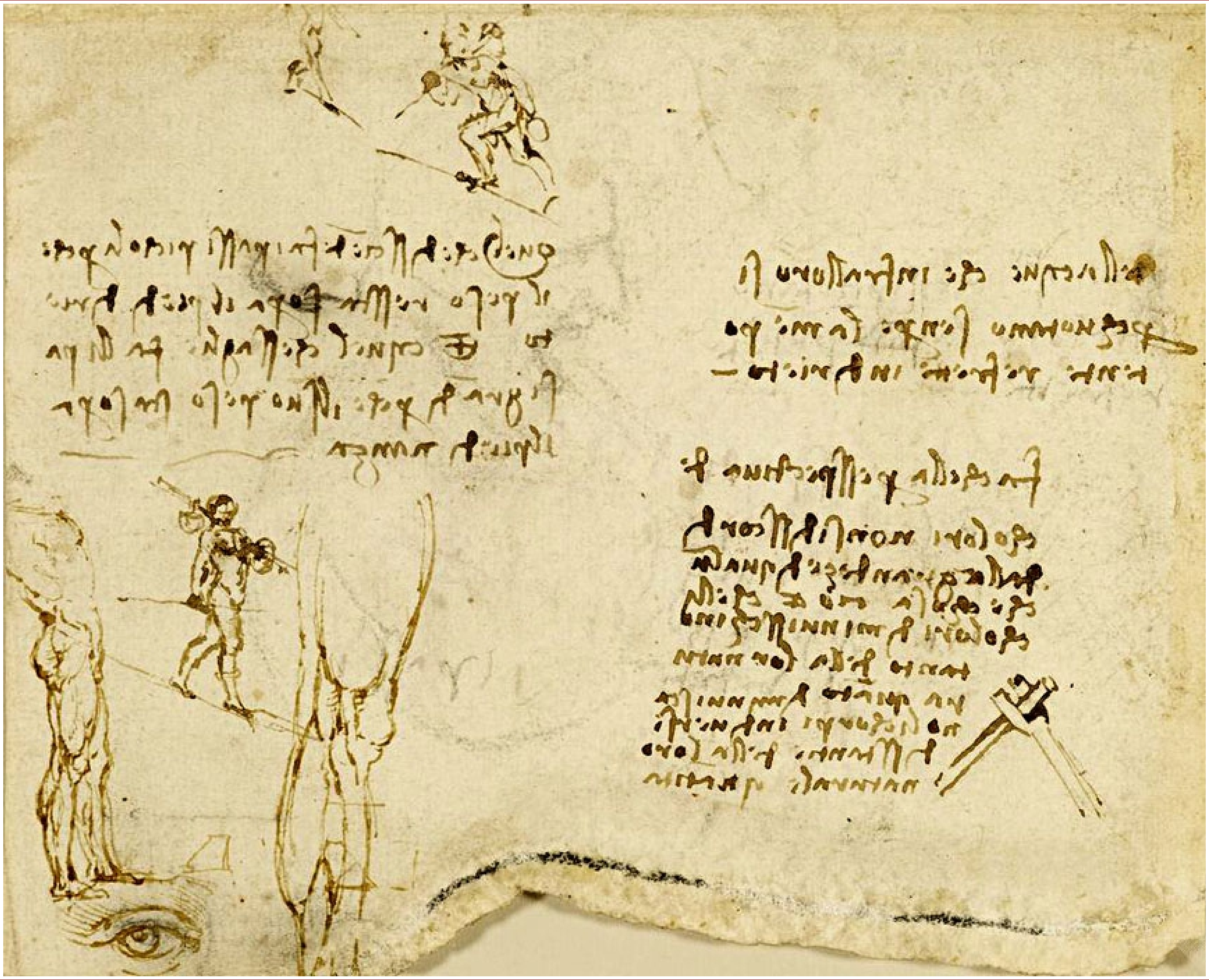


Last Supper
Leonardo da Vinci

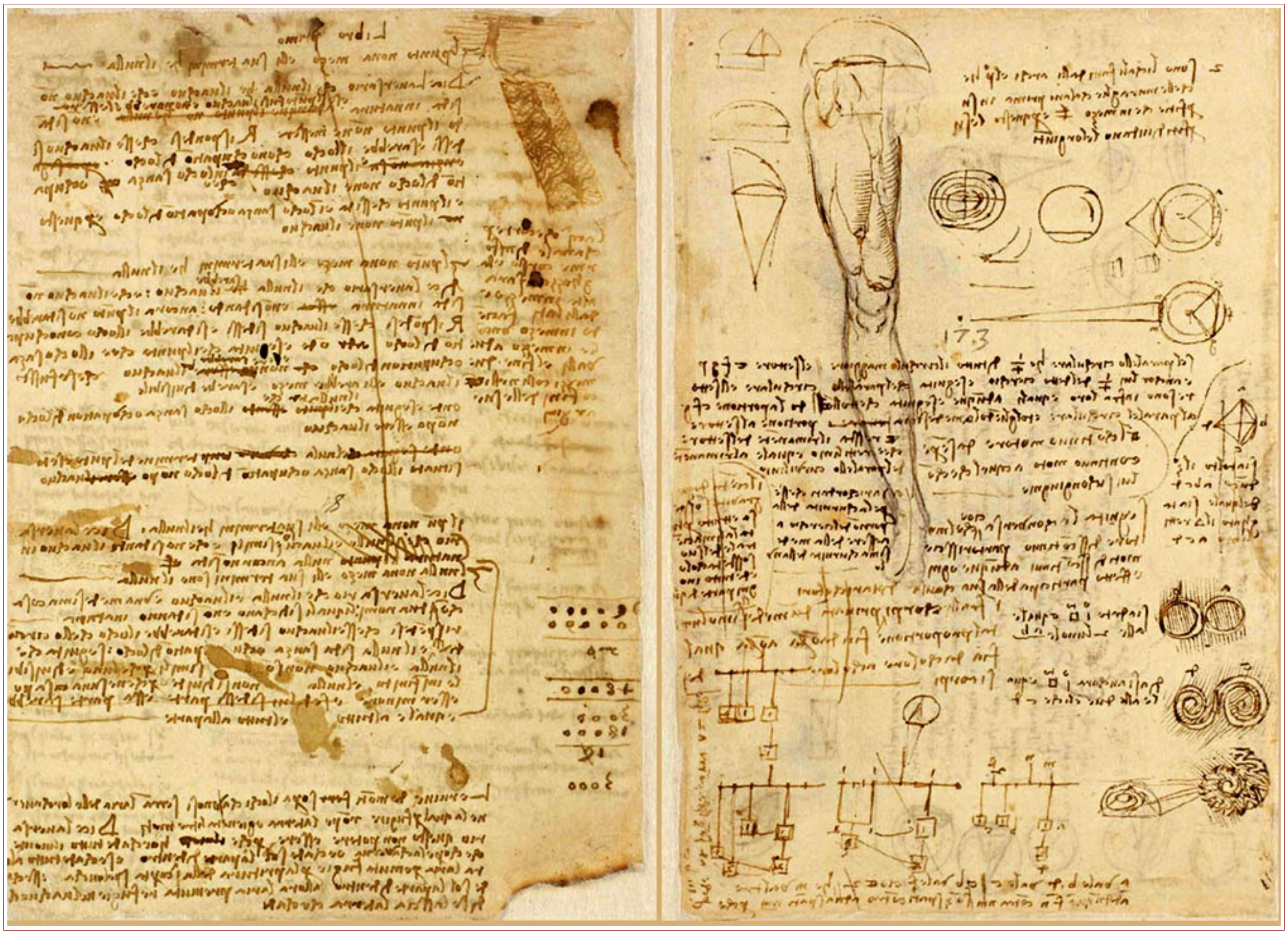


Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci

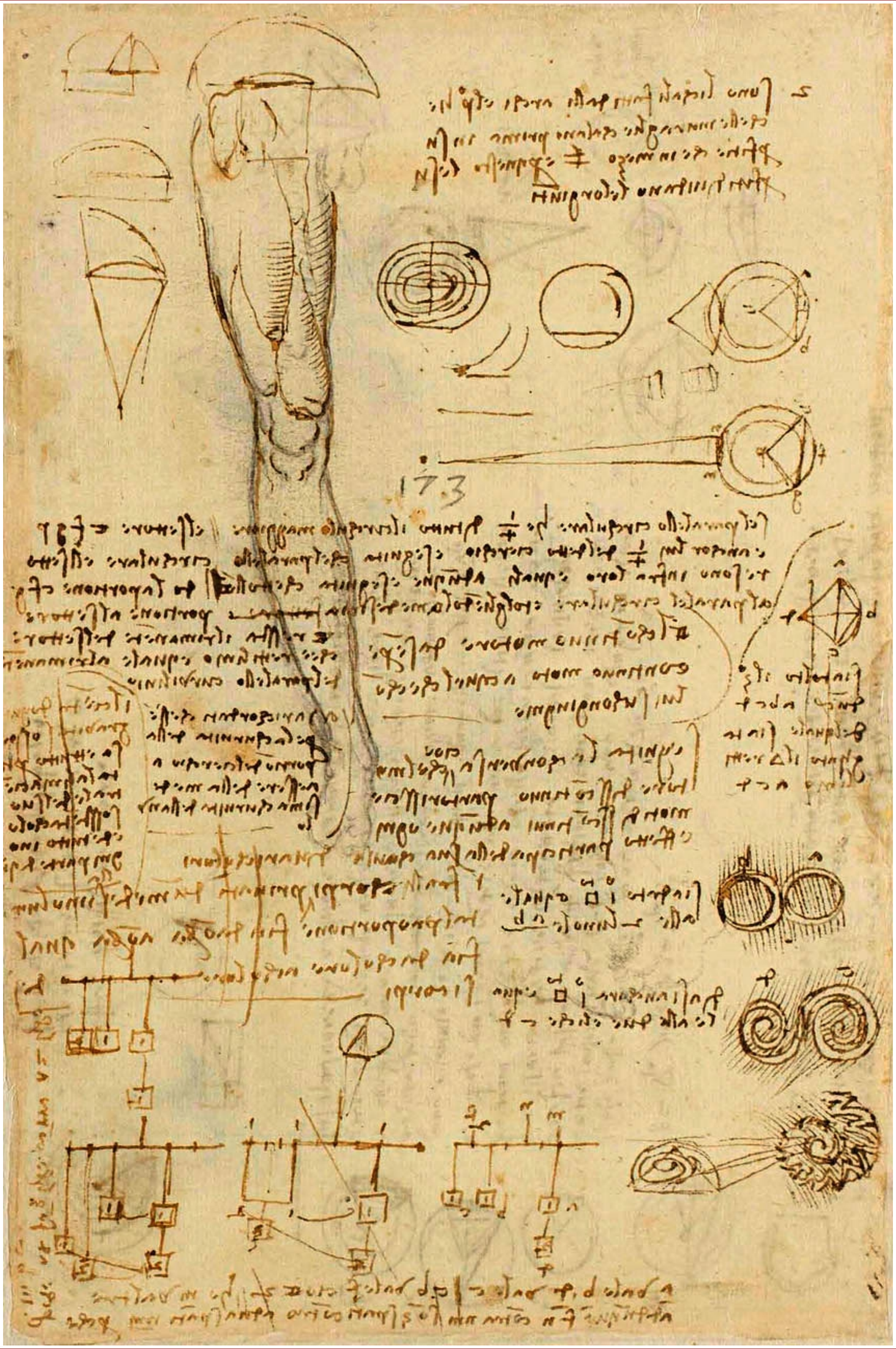
Miesnie Ust. Naczynia Krwionosne Krowy
Muscles of the Mouth. Blood Vessels of the Cow
Leonardo da Vinci



Studium Anatomiczne
Anatomical Studies
Leonardo da Vinci



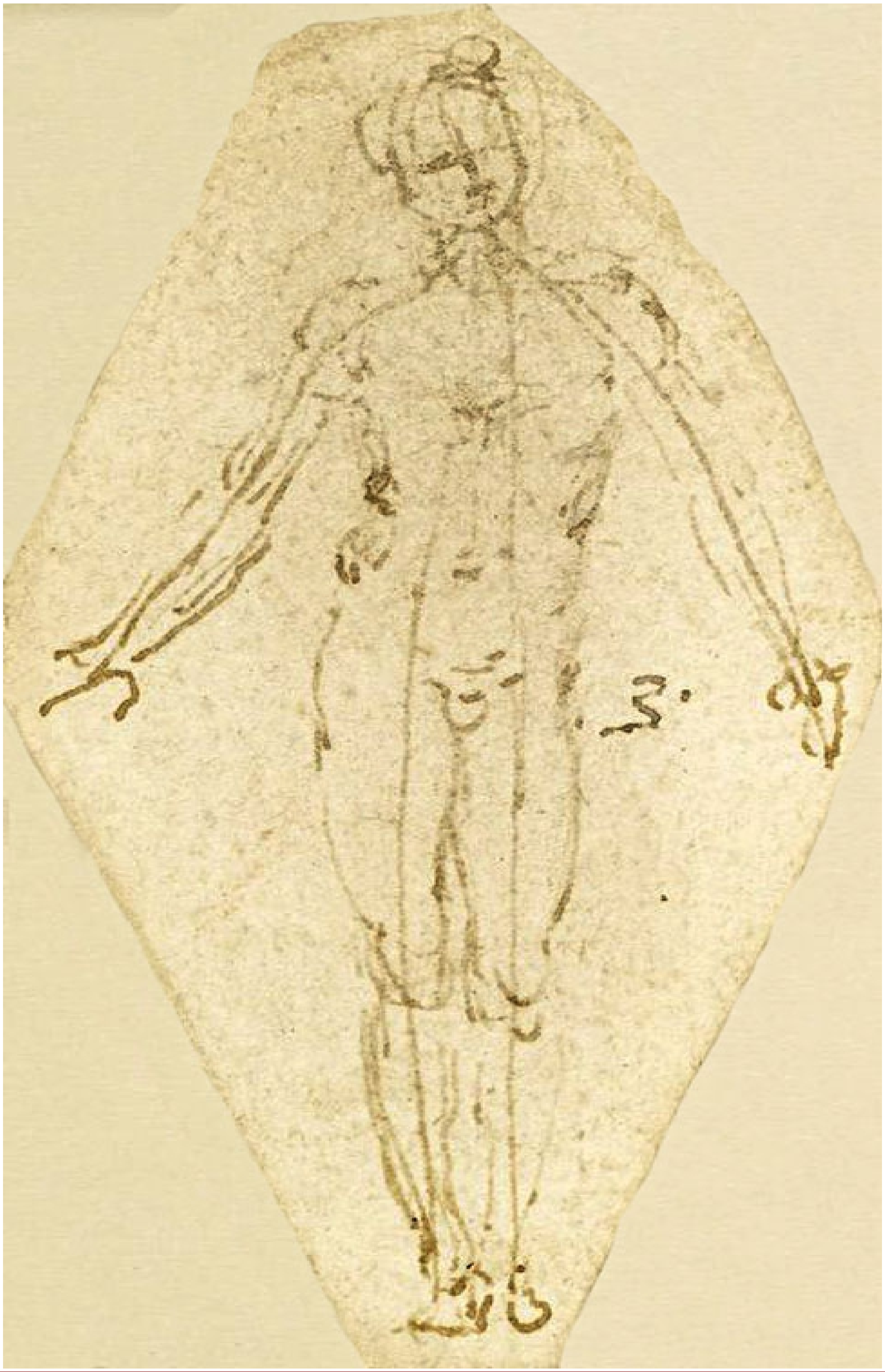
Geometria, Statystyka i Anatomia
Geomatry, Statistics and Anatomy
Leonardo da Vinci



Geometria, Statystyka i Anatomia
Geomatry, Statistics and Anatomy
Leonardo da Vinci

Leonardo da Vinci

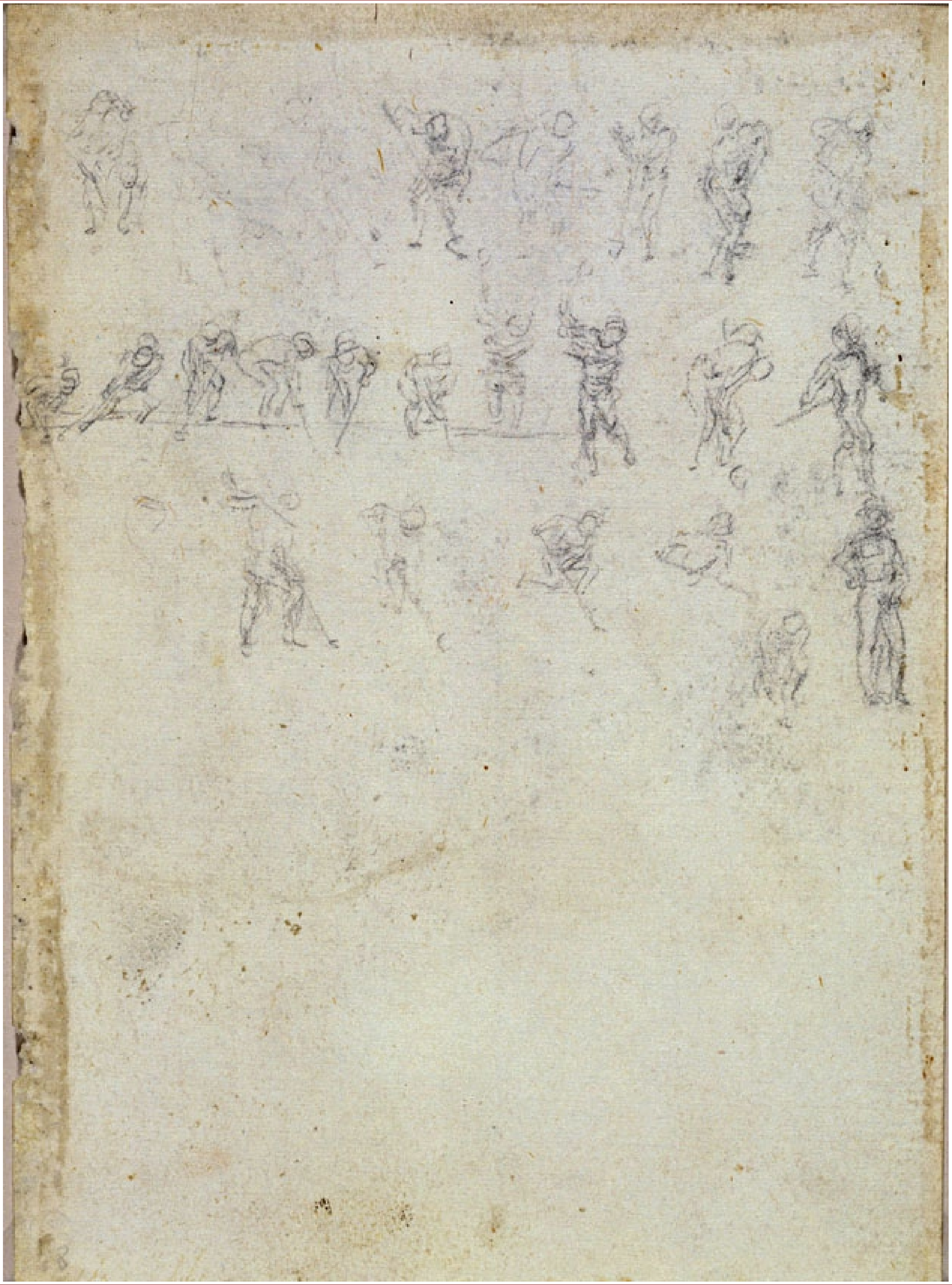
Leonardo da Vinci



Leonardo da Vinci

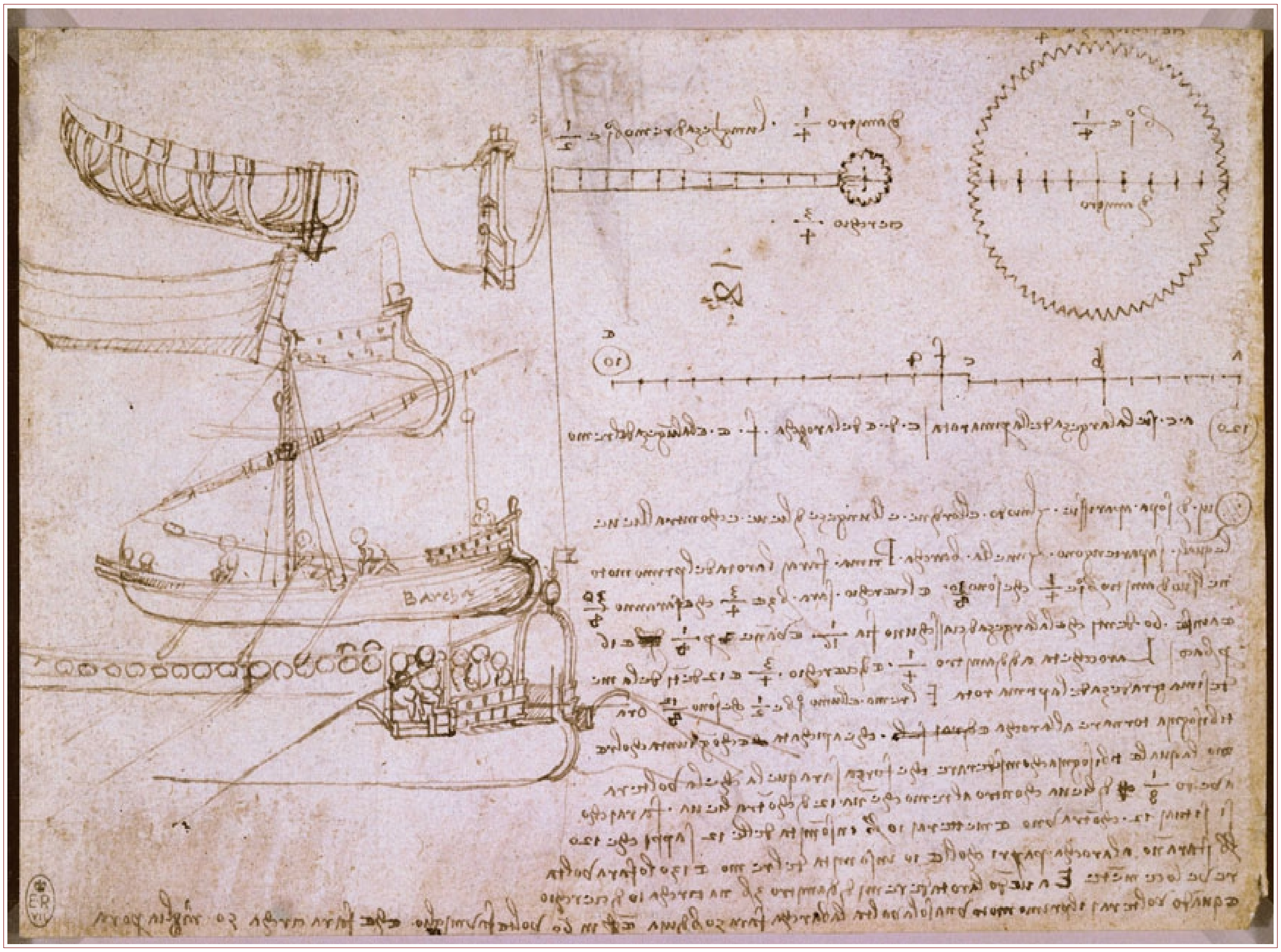
Rzeka Arno
River Arno
Leonardo da Vinci

Tama w Okolicy Vinci
Dam near Vinci
Leonardo da Vinci

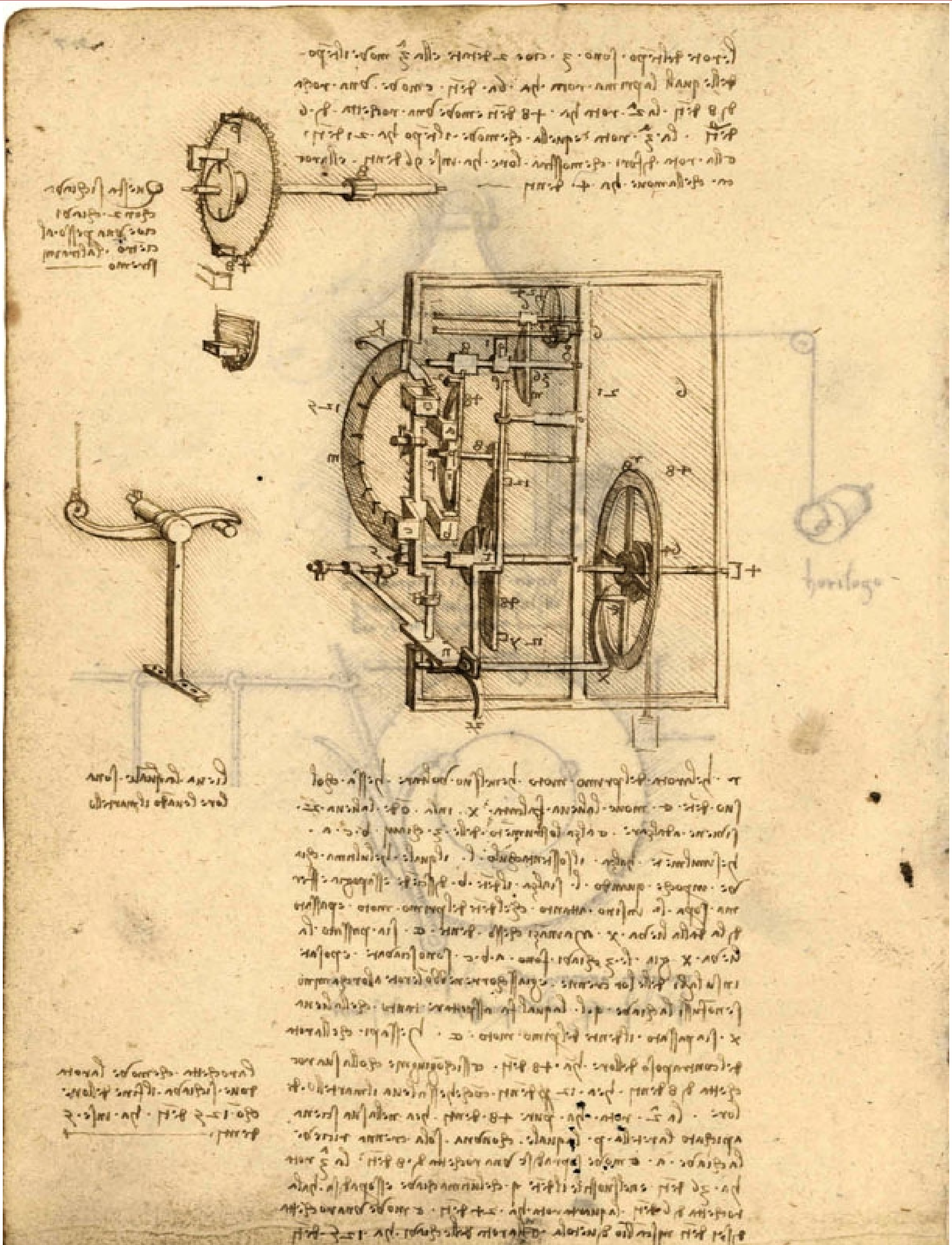


Leonardo da Vinci (?)

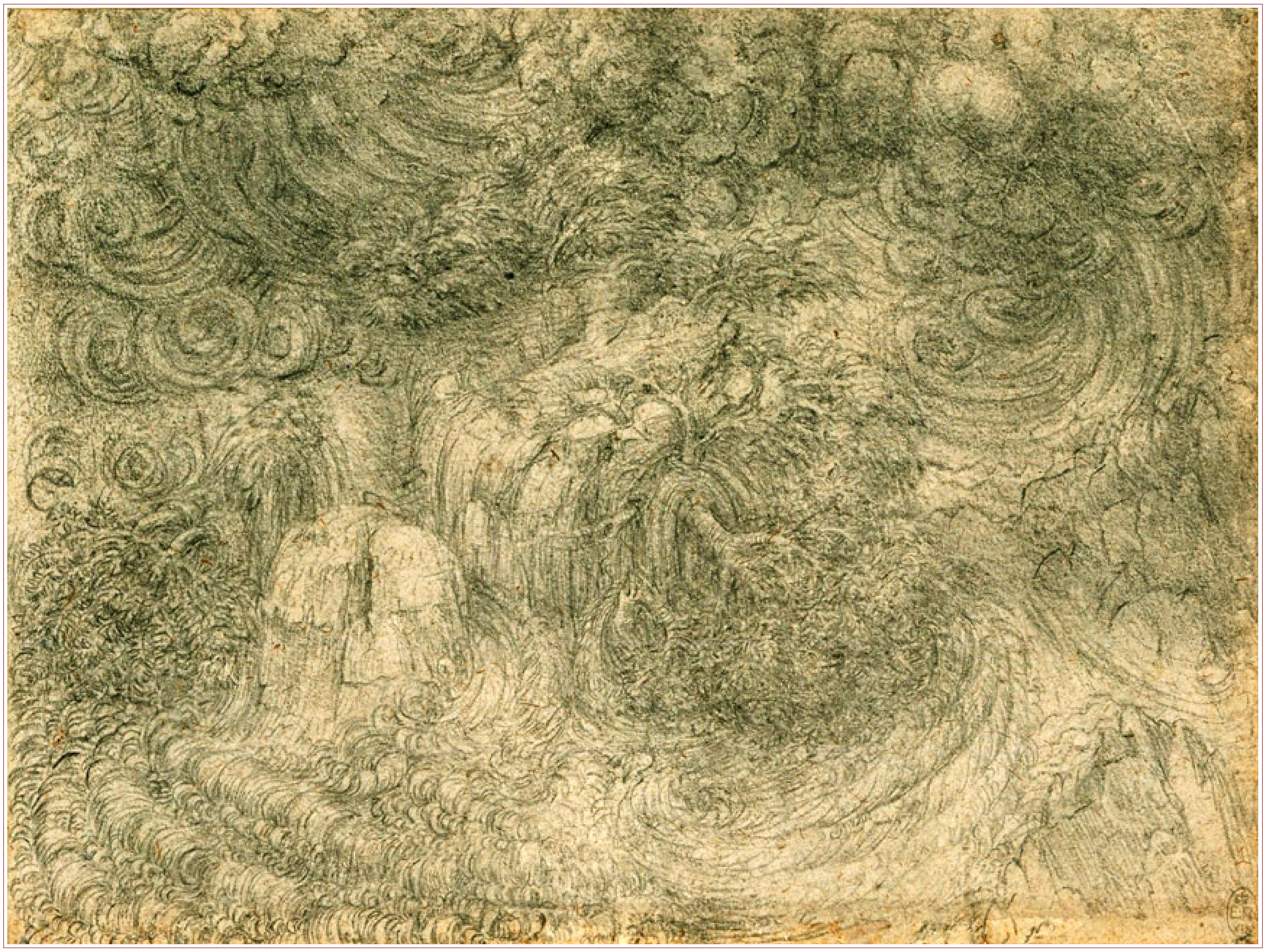
Leonardo da Vinci (?)



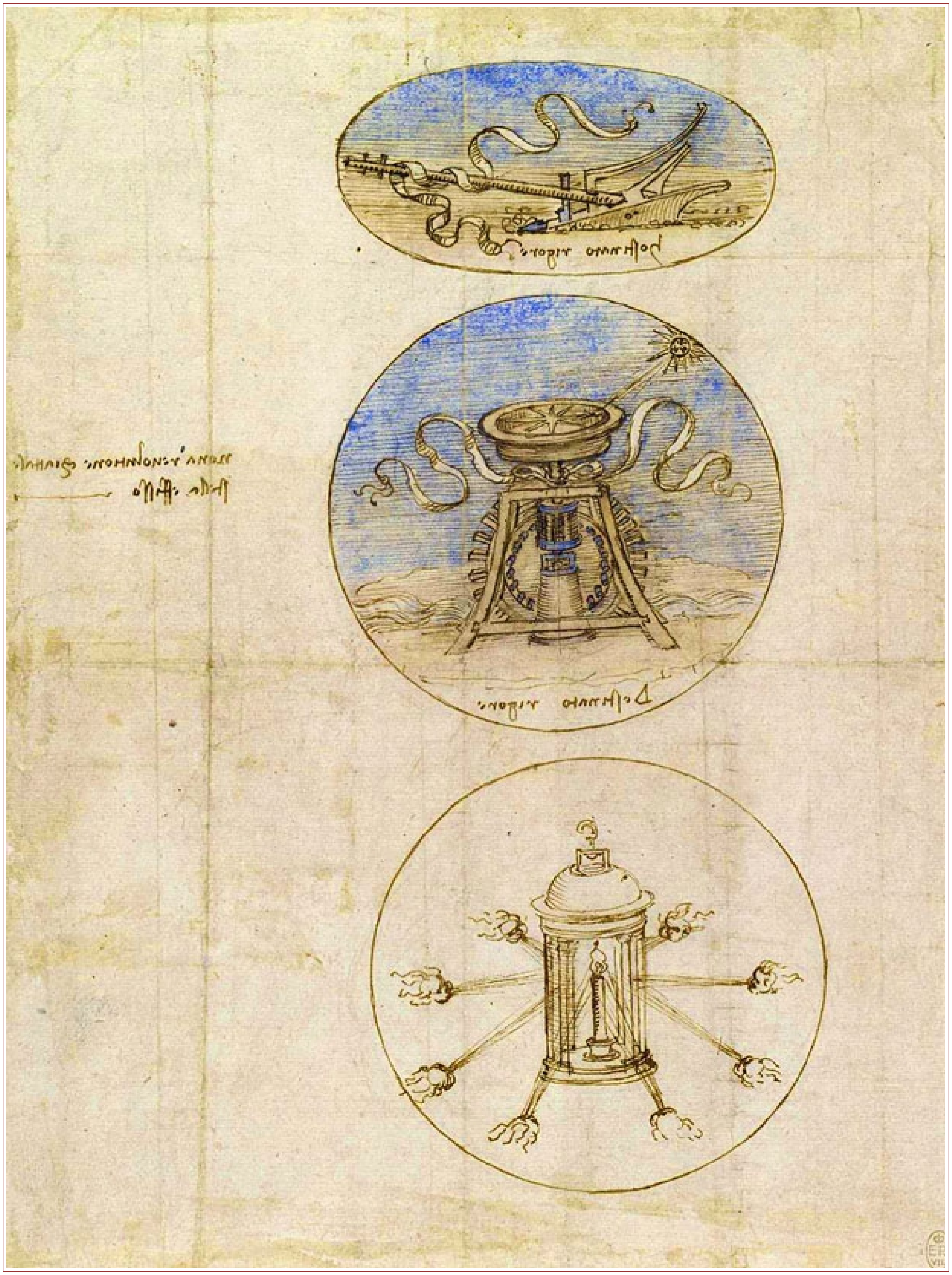
Leonardo da Vinci



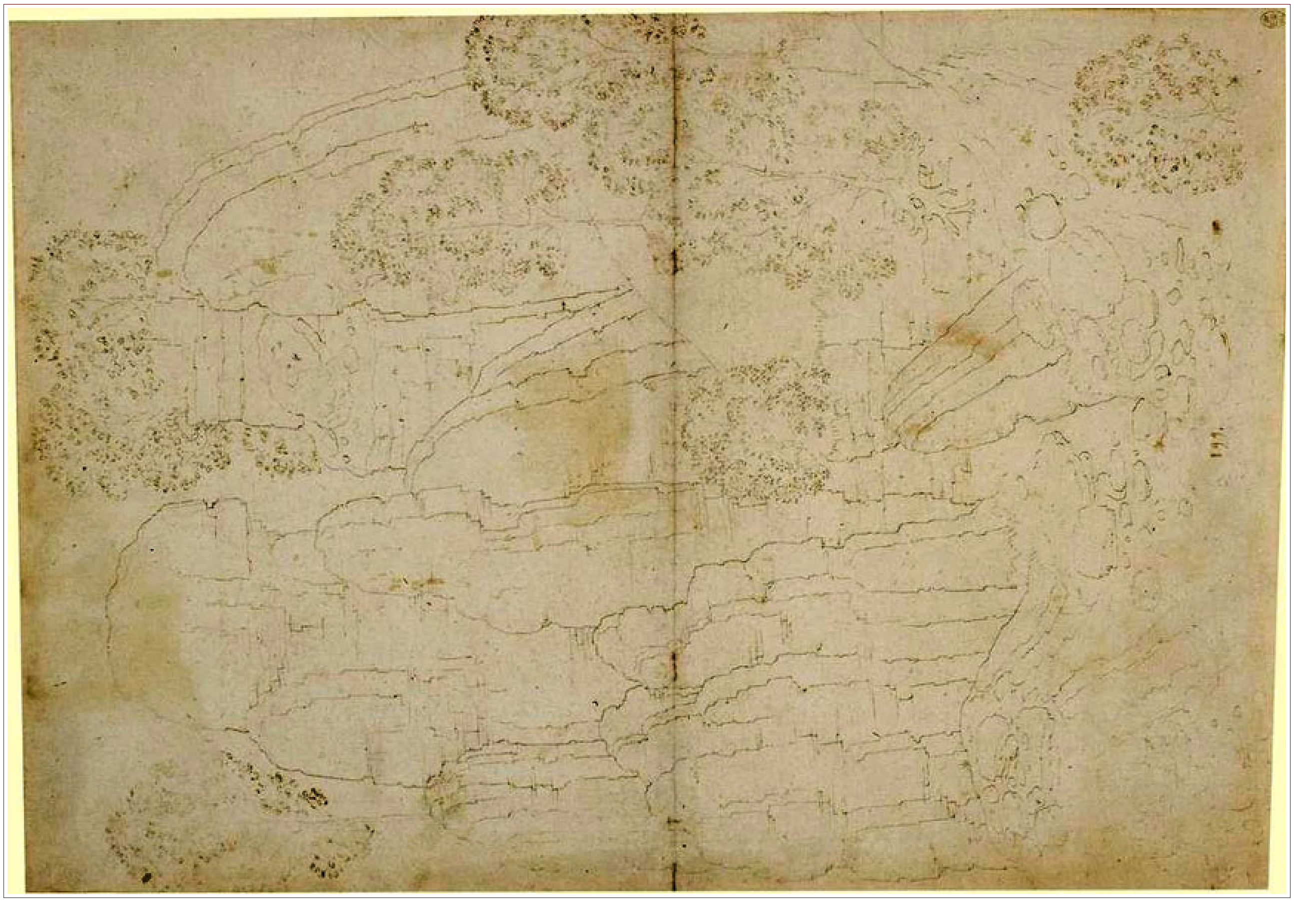
Leonardo da Vinci



Leonardo da Vinci



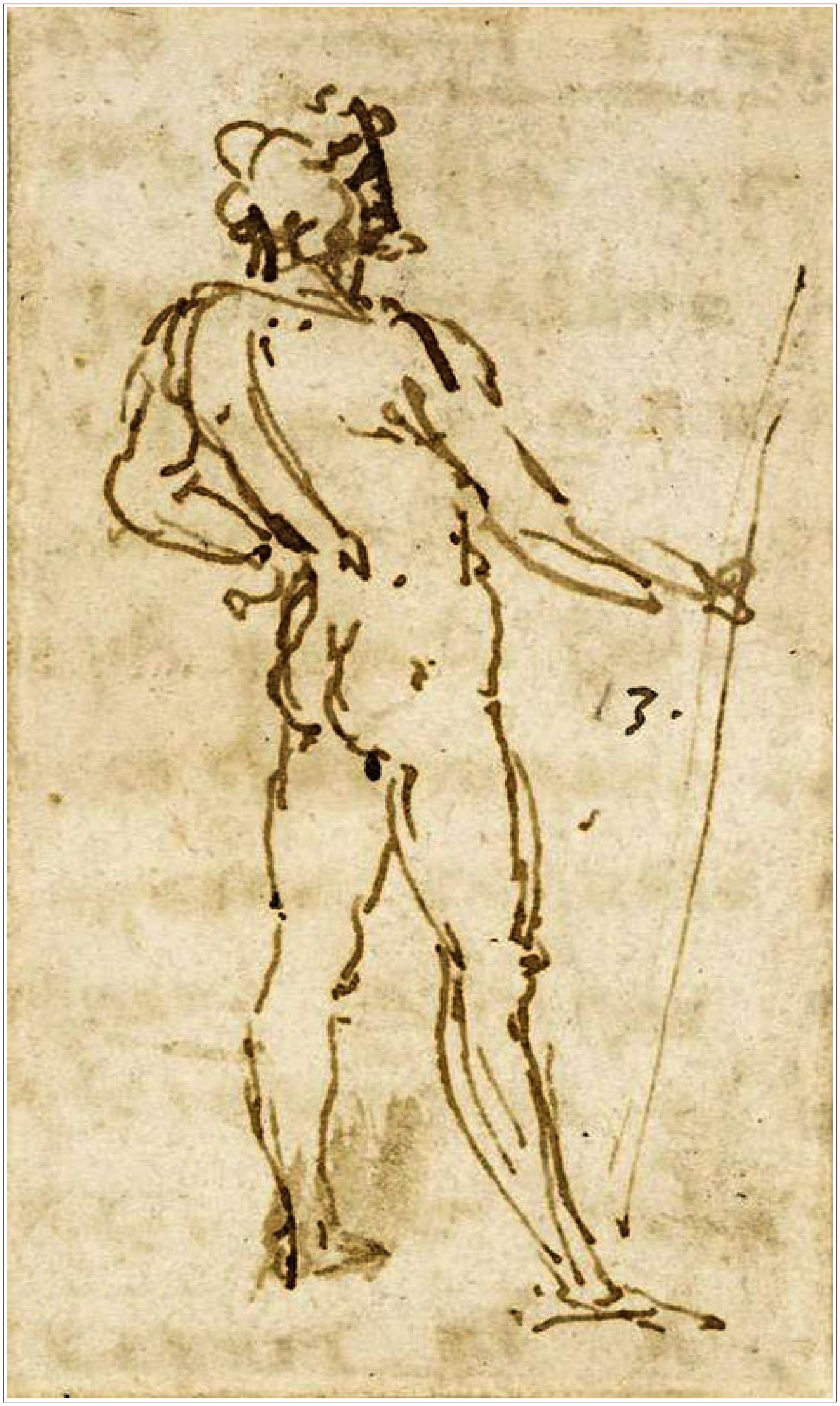
Trzy Emblematy
Three Emblems
Leonardo da Vinci



Szkic Wawazow
Ravines
Leonardo da Vinci

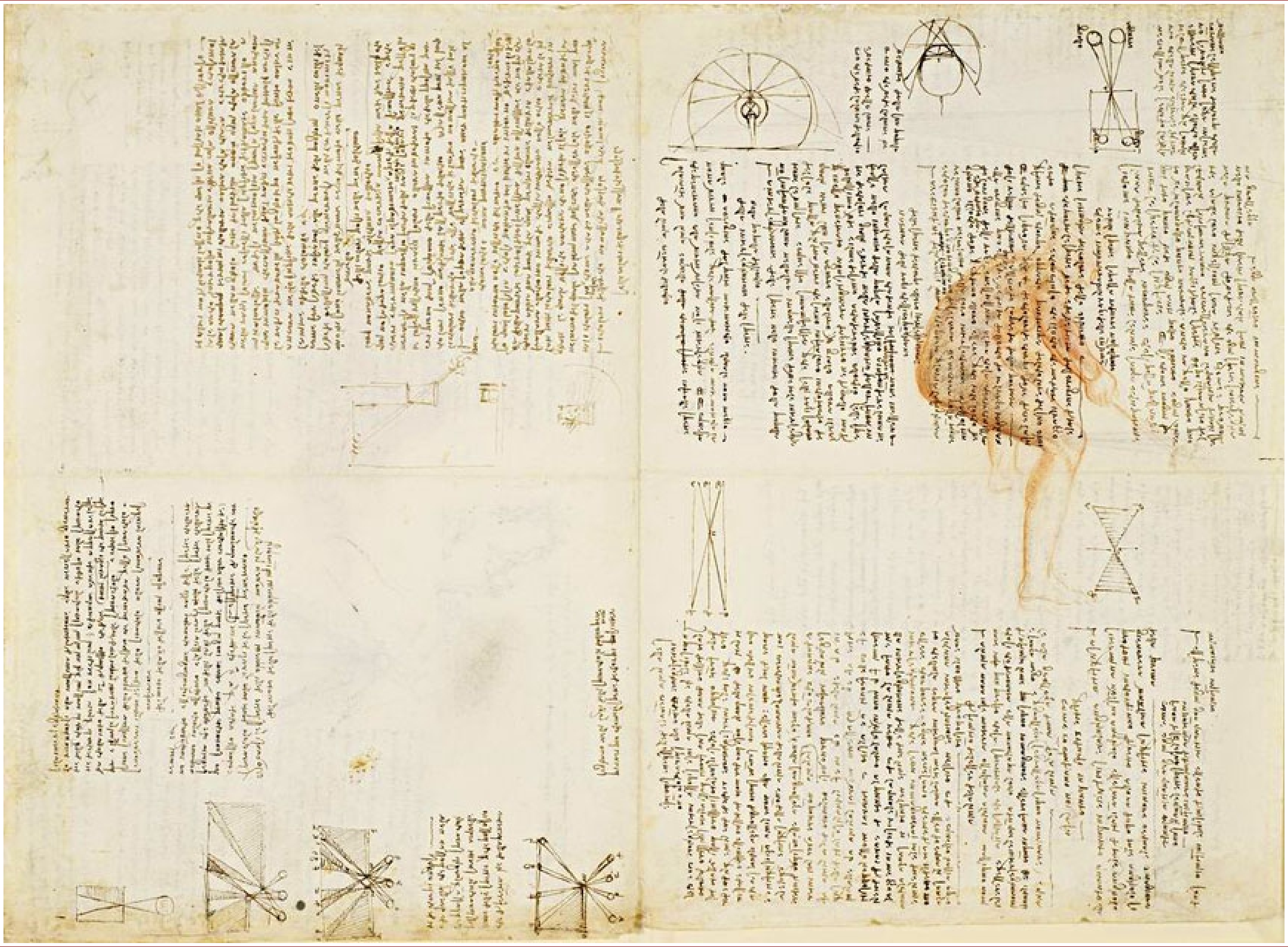
Leonardo da Vinci

Leonardo da Vinci



Leonardo da Vinci

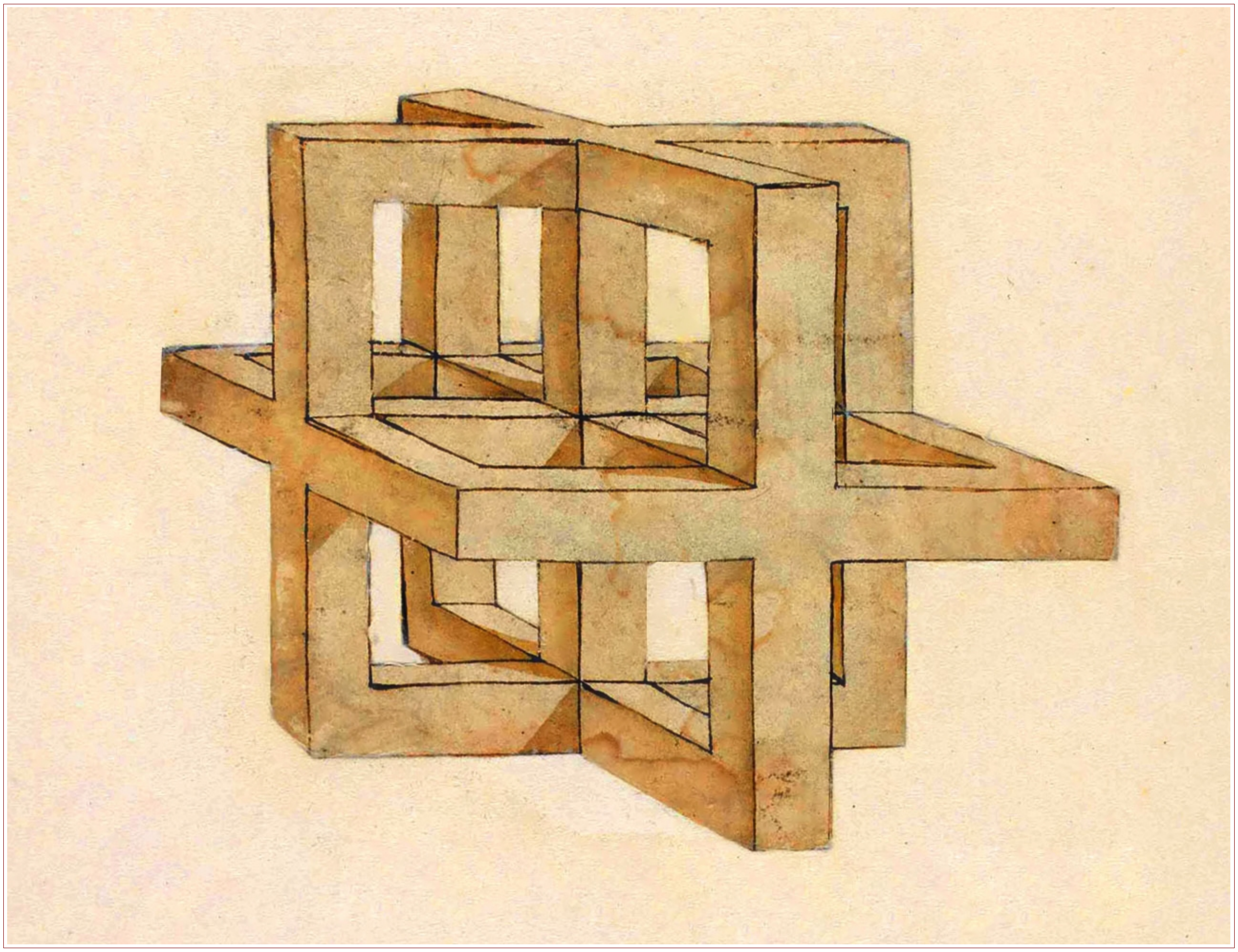
Leonardo da Vinci



Optyka. Szkic Zapaśnika
Notes on Optics. Wrestler.
Leonardo da Vinci

Leonardo da Vinci

Leonardo da Vinci



Leonardo da Vinci